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The

CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

346
L. CXLVI

SEPTEMBER 21. 1946

Annual Subscription (with
Diary) 25/- Single copies 9d.

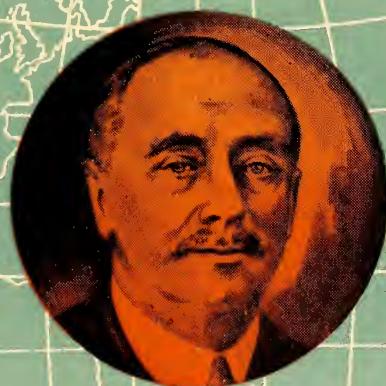
SCIENCE & PHARMACY SERIES

No. 46

H. G. WELLS

1866

1946



To-day H. G. Wells would have been 80. At the foot of a mountain we do not see it in perspective. And so with Wells—his great stature will go on growing with the shape of things to come. Among the immortals in this series none is greater than he. To the scientist, the writer of a standard work on zoology, of short stories and novels that will live for ever, the greatest popular educator of all time, to a household name throughout the nations, to the prophet of the

UNITED STATES OF THE WORLD—we pay this respectful and humble tribute.

BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED, LONDON. E.6



RED BRAND
DIAMOND

Some revised P.A.T.A. prices for



PARKE-DAVIS PRODUCTS

• CAPSOLIN •

						List Price	Purchase Tax extra (each)
In tubes (1/8*)	-	-	-	-	-	per doz.	16/6
In 1 lb. tins (1/0 per oz.*)	-	-	-	-	-	per tin	10/6

CASCARA EVACUANT

Bottles of 1½ fl. oz. (3/0*)	-	-	-	-	per doz.	30/3	-/4
Bottles of 4 fl. oz. (6/6*)	-	-	-	-	per doz.	67/4	-/8½
Bottles of 80 fl. oz. (2/0 per oz.*)	-	-	-	-	per bot.	99/0	12/4½

• NEKO •

The rate of Purchase Tax on this product has been reduced and prices are now as follows :—

In cakes (1/5*)	-	-	-	-	per doz.	13/6	-/2
-----------------	---	---	---	---	----------	------	-----

* Minimum Retail Price, including Purchase Tax.

PARKE, DAVIS & COMPANY

50 Beak St., London, W.1

Laboratories: Hounslow, Middlesex.

Inc. U.S.A., Liability Ltd.



Your customers look to you for
sound advice. Many people still don't
know the astonishing virtues of
MILTON in soothing and healing burns.
Why not tell them about MILTON!

Quality COMES FIRST

Your customer for aspirin is more concerned about its speed of action and effectiveness than about a few coppers in the price.

Bayer brand Aspirin is backed by a reputation which guarantees that the quality is right.

THE PROFIT ASPECT

There is a cash profit of $5\frac{1}{2}$ d. on each bottle of 25 Bayer brand Aspirin in a 48/- bonus parcel—thus a sale satisfies both customer and pharmacist.

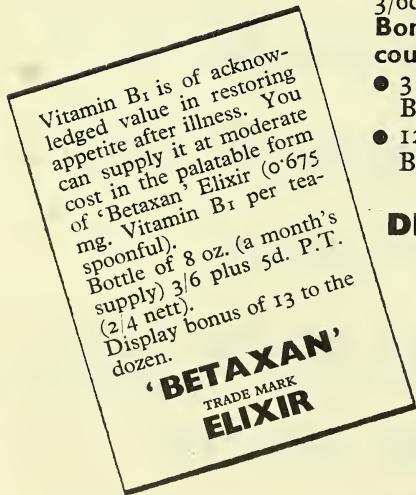
P.A.T.A. TERMS

Bottle of 25 x 5gr. (8d. nett) sells at 1/- plus 1d. P.T. Bottle of 100 x 5gr. (2/4d. nett) sells at 3/6d. plus 5d. P.T.

Bonus in return for 14 days' window or counter display:-

- 3 packings of 25 x 5gr. on mixed orders for Bayer Aspirin to a total value of 24/-.
- 12 packings of 25 x 5gr. on mixed orders for Bayer Aspirin to a total value of 48/-.

DISPLAY AND RECOMMEND



FIRST AND BEST

BAYER PRODUCTS LTD., AFRICA HOUSE, KINGSWAY, LONDON, W.C.2

You'll
be glad to
say 'Yes'

when your customers ask for

CROOKES HALIBUT OIL



CROOKES HALIBUT OIL STANDARD BONUS PARCELS

		BONUS
PARCEL G	12 x 15 c.c. Drops @ 5/- Retail	1 x 15 c.c.
	Less 25%	Drops
	.. 10%	RETAIL VALUE
*	Amount of cash with order	* 2 0 6
PARCEL H	36 x 5 c.c. Drops @ 2/- Retail	3 x 5 c.c.
	Less 25%	Drops
	.. 10%	RETAIL VALUE
*	Amount of cash with order	* 2 8 7
PARCEL J	12 x 30 c.c. Drops @ 9/- Retail	1 x 30 c.c.
	Less 25%	Drops
	.. 10%	RETAIL VALUE
*	Amount of cash with order	* 3 12 11
PARCEL K	72 x 5 c.c. Drops @ 2/- Retail	12 x 5 c.c.
	Less 25%	Drops
	.. 10%	RETAIL VALUE
*	Amount of cash with order	* 4 17 2
PARCEL L	12 x 100 Capsules @ 8/6 Retail	1 x 100
	Less 25%	Capsules
	.. 10%	RETAIL VALUE
*	Amount of cash with order	* 3 8 10
PARCEL M	36 x 100 Capsules @ 8/6 Retail	3 x 100
	Less 25%	Capsules
	.. 10%	RETAIL VALUE
*	Amount of cash with order	* 10 6 6



October's new advertising campaign will send your sales higher than ever before and we strongly advise you to build up your stocks now and avoid delay or disappointment later on.

Orders for Bonus Parcels can be executed immediately during the summer months but we can give no guarantee for the winter.

P.A.T.A.

TERMS OF SUPPLY: 1. Bonus in kind will be allowed only when one or more standard parcels G, H, J, K, L, M, are ordered. 2. Cash must accompany the order. No pro-forma invoices can be issued. 3. Orders for broken parcels or unaccompanied by cash will not be entitled to bonus in kind. 4. Bonus in kind cannot be allowed on any other Halibut Oil products.

Counter attraction

A complete window display may not be possible these days, but an attractive display of Rendells Products on your counter will give confidence to regular purchasers and attract new customers who, seeing our advertisements, have become interested in the problems of feminine hygiene.

Display a complete range. They will tell a woman that you stock Rendells Products.

Santron and Silatex are in short supply but Rendells and Mensinole are not restricted.

Rendells PRODUCTS FOR FEMININE HYGIENE

RENDELLS
SILATEX
SANTRON
MENSINOLE
RENDELL GELS

P.A.T.A.



W.J. RENDELL LTD., 161, ROSEBERY AVE., LONDON, E.C.I.

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MERSALYL B.D.H.

Mersalyl B.D.H. is a diuretic of high activity and low toxicity ; it is indicated in the treatment of oedematous conditions, particularly those complicating cardiac disorders. Modes of issue : in ampoules of 1 c.c. and 2 c.c. of a 10 per cent. solution for intravenous or intramuscular injection (Injection of Mersalyl B.P.) and in the form of tablets and suppositories. Mersalyl B.D.H. is being advertised to the medical profession, and pharmacists will be well advised to keep an adequate stock in readiness for all demands.

PRICES

For parenteral administration.

Box of 6 x 1 c.c. ampoules	Wholesale per doz. 28/-	Retail 3/6	Not subject to Purchase Tax
" " 12 x 1 c.c. "	" 52/-	" 6/6	
" " 6 x 2 c.c. "	" 44/-	" 5/6	
" " 12 x 2 c.c. "	" 84/-	" 10/6	

For rectal administration.

Suppositories containing 0.4 grm.	Box of 6 Wholesale per doz. 58/-	Retail 7/3
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For oral administration.

Tablets containing 0.08 grm.	Bottle of 20 Wholesale per doz. 30/-	Retail 3/9
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THE BRITISH DRUG HOUSES LTD. LONDON N.1

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FROM STOCK**One Drop Tubes** $1\frac{3}{4}$ dram.***Ideal for
Perfume, etc.***fitted brass caps in screw
aluminium case 42/- grs.

Orders taken in rotation.

**M. J. FECHER
L I M I T E D .**

121, HIGH ST., SLOUGH

Phone: SLOUGH 21864

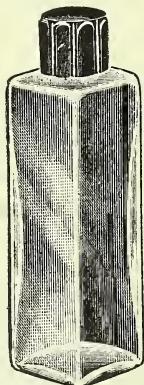


Fig. 725

1 oz. only
Black Plastic Caps
41/10 p. grs.



ANNOUNCEMENT

Revised VENO terms...

From October 1st, 1946, the Veno combined list will no longer include ENO'S 'FRUIT SALT,' THERMOGENE WADDING, THERMOGENE VAPOUR RUB, NEW-SKIN and CALENO. These preparations will be handled direct by J. C. Eno Ltd., Whippendell Road, Watford, Herts. The revised combined Veno price list from the above date will include the following products:—

**DR. CASSELLS TABLETS
VENO'S LIGHTNING COUGH MIXTURE
GERMOLENE OINTMENT
GERMOLOIDS
PHENSIC**

*Terms:—*On combined orders from Qualified Chemists amounting to £3-0-0 and upwards, 10% will be allowed for display, plus 2½% for settlement in 30 days. Always keep on hand a good stock of these firmly established, quick-selling, popular lines. Attractive show material for all products is now available.

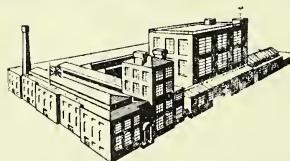
VENO DRUG CO. LTD., CHESTER RD., MANCHESTER

PILLS - TABLETS - PACKED SPECIALITIES - 'OWN NAME' FORMULÆ

COX

MANUFACTURES

From every corner of the earth come orders for COX'S pharmaceutical products—proof that their QUALITY and DEPENDABILITY is recognised the world over



ARTHUR H. COX & CO. LTD. Manufacturing Chemists, BRIGHTON

=BENGUE'S BULLETIN=

(CF)

Supplies again available of:—

**LIPIODOL (LAFAY)
GUIPSINE PILLS**

Supply position of the following now normal :—

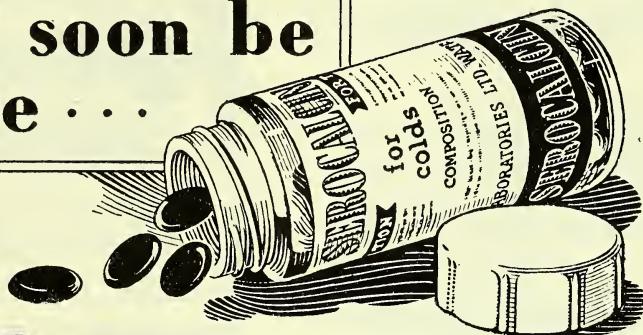
**PULMO BAILLY
AGOCHOLINE
PASSIORINE**

BENGUE'S BALSAM
in METAL tubes again

Unlimited supplies available — order your winter requirements NOW

BENGUE & CO. LTD. — MOUNT PLEASANT — ALPERTON

The
 'COLD' Season
 will soon be
 here . . .



{ This is zero hour in the battle against colds. Tens of thousands have now started their prophylactic course—many more will follow. Are you prepared to meet this great seasonal demand? At the moment we are adequately stocked to supply you, but later in the season delay may be inevitable. Your early order for SEROCALCIN will therefore help us and help you. Order NOW!

**make sure you ORDER
 NOW sufficient stocks of—
 SEROCALCIN
 FOR THE PREVENTION & TREATMENT OF COLDS**

HARWOODS LABORATORIES LTD. WATFORD, HERTS.
 Phone: Watford 4457



**MEDICINAL PRODUCTS
OF
ANIMAL ORIGIN**

Chemist Counter Lines

**ARMOUR'S JUNKET PRODUCTS
(TABLETS, POWDER, ESSENCE)
GLANOID CALF'S FOOT JELLY
GLANOID BEEF EXTRACT
GLYCERINATED**

**A FULL RANGE OF GLANDULAR
PRODUCTS PREPARED FROM FRESH
WARM GLANDS SUPPLIED IN
AMPOULES, TABLETS, LIQUIDS
AND CAPSULES
available in Package Form
or Bulk Containers.**

Also PEPSIN all strengths

PEPTONE

both Bacteriological
and Commercial

**ADRENALIN B.P. 1932
(Pure)**

PANCREATIN U-S-P

Inspissated
OX GALL Powdered
Purified

BILE SALTS POWDER

Send your enquiries to :

**THE
Armour Laboratories**
(ARMOUR AND COMPANY LTD.)

27-28 FINSBURY SQUARE, LONDON, E.C.2

Phone
Monarch 8044

Grams
"Armosata-Phone," London

THIS WINTER

**COUGH MIXTURES ARE
LIKELY TO BE AGAIN IN SHORT SUPPLY
APPLY NOW FOR YOUR FIRST
ALLOCATION OF —**



MELOCAMP

REGD.

A high concentration of sedatives
and expectorants to relieve irritating
and spasmodic Cough, Bronchial
Congestion, etc.

Contains: Acet. Ipecac. 16.67, Acet. Scillae
16.67, Ext. Opii, Camphora, Ac. Benz. and
Oil. Anisi equivalent to Tr. Opii Camph.
25, Syr. Papaveris 16.67, Aromatics and
Syrup to 100. (Teaspoonful dose.)

4 oz. Bottles. Retail **2/6** Incl. P. Tax.
8 oz. Bottles. Retail **4/6** .. "

DAMANCY & CO. LTD.

(ESTABLISHED 1890)

HARROW, MIDDLESEX

Phone BYRon 1440/1800 Grams Damancy Harrow

ARGOTONE + DELTAMIN

NASAL & EYE DROPS MIGRAINE TABLETS

RONA LABORATORIES LTD., 159 Finchley Rd., N.W.3.



Containers of Metal,
Glass, Aluminium
and Plastic.

PERCENTA LTD. (Dept. No. 23),
69-73 Borough High Street,
Tel.: HOP. 1808/3751. London, S.E.1.

NIPISTS

PASTILLES



FOR
VOICE, THROAT
AND CHEST

Made by
TEASDALE & CO. LTD. CARLISLE

Betalax

THE NEW-PROCESS
CHOCOLATE
LAXATIVE

RESTRICTED SUPPLIES
are now available
again ... all who purchased
previously are automatically
granted a quota. Will you
please write and take it up?

Certain quantities have been reserved
for areas where our representation is
not complete. Will wholesalers please
write for supplies immediately?

Betalax "sixes," Wholesale 18/- per gross,
plus tax. Retail 2½d., inc. tax.

Betalax "fifteens."
Wholesale 45/- per
gross, plus tax.
Retail 6d. inc. tax.

THE BETALAX CO.
25 Hanover Square
LONDON, W.I

CHILDREN LOVE THEM
— SO WILL YOU



SPARKLING Harrogate Health Salts



**NEW
2/-
TIN
IS A
GREAT
SUCCESS**

17/- per doz.
(Purchase tax 2/10)
Retail selling price
2/- (incl. tax).

32/- per doz.
(Purchase tax 5/4)
Retail selling price
3/9 (incl. tax).

Supplies are restricted but orders
are dealt with in rotation. You are
invited to apply for a quota to the

Sole Selling Agents:
KORAY LTD.

Koray House, 25 Hanover Square, London, W.I

Manufactured by
The Harrogate Tablet Co. Ltd., Harrogate

September 21, 1946



oravac anti-cold course

**is
now**

ORASULES

CALMIC LIMITED
WESTHOUGHTON, LANCS.

The marked success which "ORAVAC" (liquid form) achieved in the field of Industrial Medical Welfare has now led us to pack it in capsules under the name "ORASULES". "ORAVAC" was prepared as the result of very exhaustive medical research into the Common Cold, whilst in tests carried out with over 5,000 work-people, 88.87% were successfully immunised. "ORASULES" are now available to the general public and packed in boxes of ten capsules, sufficient for one course.

Price 9/6d. per course including purchase tax. Postage extra. Special pack and prices quoted for quantities for Industrial Medical Welfare Departments.

Formulas:

Bacillus Influenzae	Anaeromyces Millions
Pfeiffer	Bronchitica 400
Micrococcus Catarrhalis	Haemolytic Streptococci 200
Pneumococci (several types)	Influenza Streptococcus (Thomson) 200
	Staphylococcus Aureus 200

Antiseptic Content: Phenol 0.25%.

SALES STILL RISING

Results Convincing and
the Good News Spreading

**H.B.T. Chlorophyll
and Yeast Tablets**
for

Rejuvenation and Vital Energy

They contain no drugs, a safe and
sure recommendation for your clients.

3/- & 6/- Incl. Pur. Tax.

Through any Wholesaler or direct from

HUNTER BEATTIE PRODUCTS LTD.

Glasgow, S.E.

B.C.M./H.B.T. London, W.C.I

Always Sells!

THE LIVE LINE
WITHOUT A
DEAD SEASON-

Cuticura OINTMENT

223

● Cuticura Ointment—and equally popular Cuticura Soap, Cuticura Talcum Powder and Cuticura Shaving Stick—are in demand from January to December. How are your stocks?



Good Workmen

. . . never quarrel with their tools. Ours don't need to—they know their job. We make sure that all our staff possess the necessary skill and use only the finest equipment. That's why all our pills, tablets and other pharmaceutical products never fail to give entire satisfaction.



MANUFACTURING CHEMISTS
OFFICE & WORKS: MANSFIELD ROAD, DERBY.
'Phone: Derby 4266 (3 lines) 'Grams: Dania, Derby

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

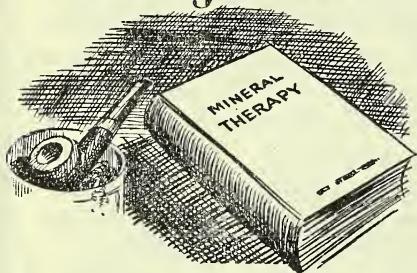


Sole Proprietors:

J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.I

P.A.T.A.

Midnight Oil



NOTES ON MINERAL THERAPY TO SAVE YOU STUDY "AFTER HOURS"

- Latest research indicates that the root of many serious conditions lies in dietary deficiencies, often directly traceable to lack of minerals, principally calcium and phosphorus.
 - Medical practice tends more and more to prescribe the essential mineral supplementation (calcium and phosphorus) provided in a readily assimilable form by Calfos.
 - For nursing and expectant mothers, for children of all ages, Calfos Natural Mineral Tablets give that essential intake to remedy dietary deficiencies. Calfos increases resistance to illness, preserves good health.
- ★ NEW DISPLAYS** in dignified, space-saving design for counter and window are now being distributed.

CALFOS *Natural Mineral TABLETS*

TRADE TERMS

Boxes of 50's:

Per doz. 20/- plus Purchase Tax 3/4.
Retail Price 2/9½d. including P.T.
Boxes of 120's:
Per doz. 38/- plus Purchase Tax 6/4.
Retail price 5/3½d. including P.T.
P.A.T.A.

CALFOS LTD.

IMPERIAL HOUSE . KINGSWAY . LONDON . W.C.2

50 Years of service

M & W
and

**TABLETS
AND PILLS**

LOZENGES, SUPPOSITORIES
& GENERAL PHARMACEUTICAL
PREPARATIONS

EXPORT INQUIRIES
INVITED

ESTD. 1894

MATTHEWS & WILSON LTD
6-8 COLE ST. LONDON S.E.I.

SUPER SECTO^{REGD} D.D.T. CONTAINING D.D.T.

(POWDER & LIQUID)

As Insecticide Specialists for over 40 years—Contractor to H.M. Government during the War and since—you can rely on these products being of the highest quality—resulting in the quickest, as well as the highest, possible kill of all insect pests. They bring maximum sales and REPEAT business.

RETAIL PRICES :

LIQUID	-	3/-	6/-	15/-
POWDER	-	1/3	&	7/6

Usual Cupal Profit Margins and Discount.

CUPAL Ltd., Mfg. Chemists, BLACKBURN



HEWLETT'S ELIXIR VITAMINÆ

A pleasant and palatable tonic readily taken by children and patients of all ages and especially valuable during convalescence.

Made by a modern homogenising process, Elixir Vitaminæ contains Vitamins A and D, Glycerophosphates, Organic Iron and Calcium, together with traces of Copper and Manganese.

PACKING.

In amber bottles of 8 fl. ozs., each in carton.

33½% Discount to Pharmacists

C. J. HEWLETT & SON LTD.

35-43, Charlotte Road,
LONDON, E.C.2.

GLASS BLOWING

BENCH BLOWN
LABORATORY AND INDUSTRIAL
GLASS APPARATUS. (Also REPAIRS)
G. C. AIMER & CO. 56-8 ROCHESTER PLACE
CAMDEN RD., N.W.1
GUL. 3618

DRUGS, GALENICALS, PROPRIETARIES
Makers of 'Vitasac'

R. SUMNER & CO. LTD.
HANOVER STREET - LIVERPOOL, 1

8.124



Galjado
REGD.
**HAIR COLOUR
RESTORER**

For Grey or Faded Hair:
S. SIGAL & CO. LTD.
MANUFACTURERS OF EXCLUSIVE
TOILET PREPARATIONS.
47 TABERNACLE ST., LONDON, E.C.2

MILLAMALT

Sole Manufacturers
JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Rd. N.19.

The VITAMIN
MALT FOOD

With Vitamins (A. 6,500 I.U., D. 400 I.U.)
per fl. oz.

Compressed TABLET SERVICE

WHOLESALE & EXPORT

Clients' own material operated if desired. Reasonable estimates.

The DALES ASPIRIN AND TABLETING CO. Barrows Lane, STEETON, Yorks.

Seven Seas

REDUCED PRICES

On September 30th the retail selling price of Seven Seas cod liver oil in 8-oz. and 16-oz. bottles will be reduced. The reduction to the chemist will date from September 1st. All stocks at the old prices, therefore, should have been cleared by September 30th.

At the same time we are introducing a 6-oz. size.

Supplies at the new prices will be sent out in good time. We can also arrange to despatch direct any order for *case quantities*, invoicing through your wholesaler.

There will be no reduction in price of capsules or of the 1-oz. concentrated oil.

● IMPORTANT

There is a shortage of 8-oz. and 16-oz. bottles. In order to avoid delay please order as large a proportion of your requirements as possible in the 6-oz. size. The selling price per oz. is the same for both sizes.

New selling prices (as from 30th September) —

6-oz.....	1/6	8-oz.....	2/-	16-oz.....	3/6
-----------	-----	-----------	-----	------------	-----

● ORDER NOW

You will be wise to estimate your requirements at once, as orders booked now for delivery after September 1st will be handled in strict rotation. Be careful not to under-estimate; during the autumn and winter months there will still be a shortage of containers, and deliveries may be delayed in consequence. And don't let stocks run too low between now and September 1st. Remember, cod liver oil is the only unrationed priority food that's easy to get, and people are more than ever in need of extra fats and vitamins.

● SHOWCARDS

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tive, who will be calling on you as soon as possible.*

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NEWS OF THE WEEK

Soap Coupons.—Soap coupons available during ration period No. 3 are the two upright pairs of small squares numbered K9/10 and 11/12 in the large square No. 3. In ration books R.B.1 and R.B.4 the coupons numbered 9/10 are worth one ration, and the coupons numbered 11/12 two rations of soap. The two whole coupons in ration book R.B.2 are each worth two rations of soap.

T.S.A. Licences.—The Scottish Office states that, during the period June 1 to September 13, seven licences were issued under the Therapeutic Substances Act for the dispensing of injections of penicillin. The Ministry of Health points out that the ten penicillin licences granted to firms before June 1, 1946 (see *C. & D.*, September 7, p. 289) were for the manufacture of penicillin and included the manufacture of bulk non-aqueous injections.

Red Squill Under Guarantee.—Purchases of red squill by the Ministry of Agriculture and Fisheries, the Ministry of Food, the Department of Agriculture for Scotland, Local Authorities and War Agricultural

Executive Committees, will in future be subject to a guarantee of toxicity. The Departments concerned have drawn up a standard toxicity specification. Any individual or firm having an interest as suppliers of red squill may obtain copies of the specification from the Ministry of Food, Infestation Division, 58 High Holborn, London, W.C.1. They may, if they wish, make representations not later than September 25. A meeting with suppliers of red squill will be held at the address given at 10 a.m. on September 27.

PAPER

As from November 1, the Ministry of Supply has released to the Trade, Technical and Periodical Press an additional allocation of paper. As a result of this it will be possible from that date to satisfy all the requests we now hold for subscriptions and, so far as we can foresee, all future demands. It will, however, assist us if would-be readers will send their subscription orders to us as soon as possible.

Mails to Eire.—Dutiable articles may now be sent from the United Kingdom to Eire by letter post, it is announced by the Post Office.

Medical Officers' Works Visit.—The Home Counties Branch of the Society of Medical Officers of Health visited the Greenford works of Glaxo Laboratories, Ltd., recently. They were met by Sir Harry Jephcott (chairman of the company).

International Control of Narcotics.—The Economic and Social Council of the United Nations on September 12 approved in principle the transfer from the League of Nations to the United Nations of the International Control of Narcotic Drugs.

Romford Lecture.—Dr. G. R. Boyes, Ph.C., gave a lecture illustrated by lantern slides recently to the Romford Branch of the Pharmaceutical Society entitled "Drugs and the Nervous System." The meeting was attended by a number of local doctors.

Battery Prices Reduced.—The Board of Trade, in consultation with the Central Price Regulation Committee, has made an Order which came into force on September 16, reducing the maximum prices of home-produced electric torch dry batteries by the amount of a purchase tax concession granted on July 22. Copies of the Order, the Electric Torch Dry Batteries (Maximum Prices) Order, 1946 (S.R. & O. 1946, No. 1496) may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price one penny.

Bournemouth Cricket Match.—In a return match, played on the Bournemouth Sports Club ground recently, the Bournemouth Branch cricket team defeated the Southampton Branch team, the score being: Bournemouth, 103 for 9 wickets, declared; Southampton, 86 all out. Next summer the Bournemouth, Portsmouth and Southampton Branches hope to play a triangular tournament, for which Mr. Alderwick (H. Ferryman, Ltd., Southampton) has offered to supply a trophy to be competed for each year.

Progress in Blood Transfusion.—Alderman C. W. Key (Parliamentary Secretary to the Ministry of Health) opening at Liverpool, recently, a new blood transfusion centre, reported to be the largest in the provinces, stated that British hospitals were using more blood now than during the war. He made reference to a foam made from blood plasma which could be used to stop bleeding in operations where tying blood vessels was not advisable: the foam was

of great value in brain and spinal surgery. Other extracts from plasma were used, he said, in skin grafting and in combating diseases such as measles.

Alginic Acid from Scottish Seaweed.—Considerable expansion of the alginic acid industry in Scotland is anticipated in the financial report of the Scottish Seaweed Research Association. The acid has been used as a base in the manufacture of surgical ligaments and medical capsules, and has also found important uses in the food and ice-cream industries. A survey of littoral weed or wrack recently showed that all usable seaweed of the type is concentrated on the west coast of Scotland and the islands, the most promising centre being in North Uist and Orkney.

Penicillin Production Improved.—During the visit to the penicillin works of the Distillers' Co., Ltd., at Speke, Liverpool, recently, of a party which included Mr. Emanuel Shinwell (Minister of Fuel and Power) and the Lord Mayor of Liverpool, Mr. C. G. Hayman (a director of the company) stated that output was now two-and-a-half times greater than the rated production when the plant was started. Mr. J. J. H. Hastings (technical adviser) said that the penicillin produced at the factory was four times as pure as that produced a year previously, and that it was "the cheapest penicillin in the world."

Inter-American Medical Congress.—At the Inter-American Medical Congress which opened in Rio de Janeiro on September 7, Sir Alexander Fleming was due to lecture on penicillin. Dr. James A. Shannon, representing the United States Public Health Service, who is contributing a paper on "Malaria Treatment", in a statement made on the eve of the congress, maintained that recent advances in the fight against malaria which "will be felt for generations to come" were "the fruits of the Pacific and Burma wars". The search for new malaria medicaments formed "one of the greatest examples of co-operation between United States and British scientists during the war". Paludrine (produced by the British), and pentaquin, chloroquine, and oxychloroquine (produced by American workers) held out "great promise for the future of countries like Brazil". Of streptomycin he said that "we have learned that it can check the spread of tuberculosis, enabling normal treatments to progress more favourably", but added that it would be four years, at least, before "the complete answer" was known.

IRISH NEWS

Pilgrimage to Lourdes.—Under the patronage of the Archbishop of Dublin, a pilgrimage to Lourdes is being arranged for Irish pharmacists. The pilgrimage will spend fourteen days in Lourdes, leaving Dublin, Belfast and London in the last week of July 1947. Full particulars will be sent to any pharmacist who sends a stamped addressed envelope to the Secretaries, Pharmaceutical Pilgrimage, 69 Palmerston Road, Dublin.

Eire Council Election.—Nominations for the seven vacancies on the Council of the Pharmaceutical Society of Ireland must be received not later than 11 a.m. on Monday, September 23, 1946. The panel of seven Council-members, who complete their three year term of office in October and who are going forward for re-election, are Messrs. P. A. Brady (vice-president), P. C. Cahill (treasurer), J. A. O'Rourke, H. P. Corrigan, C. J. Cremen, J. Gleeson, and T. B. O'Sullivan.

Ulster Chemists' Works Visit.—Londonderry Associates of the Ulster Chemists' Association visited the works of the Ulster Manure Co., Lisahally, on September 11. They were received by the manager (Mr. J. J. Leonard) who showed them various operations, including the manufacture of sulphuric acid by the lead-chamber process. Almost all the acid made in the works is used there in the production of superphosphate manures. A vote of thanks to Mr. Leonard and his staff, proposed by Mr. T. H. Hamilton, and seconded by Mr. J. D. McCafferty, was cordially passed.

Ulster Golf Competition.—The second annual competition for the R. J. Groves Memorial cup was held by the Ulster Chemists' Golfing Association at Kirkiston Castle Golf Club, Cloughhey, co. Down, on September 11. In the final, Brian Flatley, Killymoon, beat J. H. McCay, Cliftonville, by 4 and 3. A "hidden holes" competition was won by T. McCann, Mourne, after a tie with R. L. Clarke, Royal Portrush, who won a points bogey competition after a tie with W. H. Boyd, Ormeau. J. C. Watt, Bangor, was third. Mr. W. H. Boyd expressed thanks to the Club.

Presentation to Dublin Pharmacist.—Mr. Samuel Boyd, a former secretary of the Chemists' Social Club, Dublin, who is leaving the city shortly to take up an executive appointment with the Borneo Co.,

Ltd., Bangkok, Siam, received a presentation from fellow members of the Club recently. The presentation was made at a function presided over by Mr. M. J. Hanna (chairman), at which many tributes were paid to Mr. Boyd by his colleagues. Mr. Boyd, a native of Lear, Bailieborough, co. Cavan, had been for some time on the staff of Hayes, Conyngham & Robinson, Ltd., Dalkey, and was later on the staff of Hamilton, Long & Co., Ltd., Dun Laoghaire.

Mourne Mountains Excursion.—The Chemists' and Druggists' Society of Ireland on September 11 resumed its annual outings, suspended since the outbreak of war. Members travelled by motorcoach to the Mourne mountains, passing through Downpatrick on the outward journey, and returning via Ballynahinch. After tea Mr. F. Storey (president) welcomed the guests who included Captain and Mrs. Neville Browne, M.P.S., from London, and said he was delighted that they were all able to get together again and resume these social functions. On the motion of Mr. Charles Abernethy, seconded by Mr. Frank Boyle, Mr. and Mrs. H. McQuitty were heartily thanked for making all the arrangements. Messrs. T. McDowell, H. Johnstone, C. Williamson, E. Richey, J. Gray and James Irwin also spoke. Mr. McQuitty in his reply said it was the committee's intention to continue the intended functions.

Ulster Associate's New Section.—At a well attended meeting of pharmaceutical employees at Portadown on September 4, it was agreed that a new Associates' Section of the Ulster Chemists' Association should be formed to represent Armagh, Dungannon, Lurgan, Portadown and Tandragee. The motion to form the Section was proposed by Mr. L. Bell, Ph.C., and seconded by Mr. J. Speers. On the proposal of Mr. E. G. Mackle, seconded by Mr. E. Gibson, the following temporary Committee was formed:—Messrs. W. J. Stevenson and R. Cummings, Armagh; George Williamson, Ph.C., and F. M. Kerrin, Ph.C., Dungannon; L. Bell, Ph.C., and B. Gaffney, Lurgan; J. Speers and G. L. Andrews, Ph.C., Portadown; and R. Robinson, Tandragee. Messrs. Speers and Andrews were appointed joint convenors. The position of students taking the Part II examination was discussed at length, and it was decided to approach the Pharmaceutical Society and Municipal College of Technology, Belfast, to grant facilities for evening classes.

LEGAL REPORTS

Poison Sale Fine.—At Halesowen recently, Joseph Henry Price, 22 St. Knelm's Avenue, Halesowen, was fined £1 on each of six summonses of violating the poisons regulations by selling a tin of fertiliser containing "enough poison to kill 100 people."

Pharmacy Act Fines.—At Whitchurch, Shropshire, police court recently, George Henry Roberts, 6 Mill Street, Whitchurch, was summoned for selling phenol in a disinfectant, the container of which was not labelled with the name and address of the seller and without being a listed seller. Defendant pleaded guilty. A fine of £1 in each case was imposed.

Appeal Dismissed.—The Tower Pharmacy, Ltd., 262 Lavender Hill, London, S.W., appealed before the London Sessions Appeals Committee recently against a conviction and fine of £3, and costs, imposed at South-western magistrates' court for supplying solution of iodine labelled in a way calculated to mislead as to the nature and quality of the drug. On behalf of the Battersea borough council it was stated that a test purchase was made of iodine solution sold by the appellants. It was subsequently analysed and found to be 16 per cent. deficient in iodine and 14 per cent. in potassium iodide by comparison with the description on the label. With a view to proceedings being taken, the council made inquiries as to the source of supply. Unfortunately, appellants had three or four sources of supply and could not say from whom they obtained the particular solution. The magistrate had to consider whether the appellants had used diligence in ascertaining that the contents were as described on the label, and he found that they had received no warranty from their suppliers and had taken no steps themselves to have the iodine analysed. It was usual for retailers to have a warranty from their suppliers that the drugs they were receiving were in accordance with the Food and Drugs Act. For the appellants, Jack Rothman, manager of the Tower Pharmacy, said that he had since ascertained that the iodine had come from District Wholesalers' Supplies, Clapham Junction, a firm of high standing, from which he had been purchasing for ten years. He did not know there was a deficiency of iodine or potassium iodide. The manufacturers, also a firm of repute, had been making iodine solution for about fifteen years. The iodine he was selling was above the Home Office requirement of 2 per cent. In his particular

trade, said the manager, it was not necessary to have a warranty or guarantee as to the nature of the drugs, and he did not analyse the contents of the bottles. He agreed that he had not taken any steps to find out whether the label was a true description or not. The Committee dismissed the appeal, and ordered the appellants to pay £15 15s. costs additional to the amount previously required to be paid.

Appeal Allowed.—London Sessions Appeals Committee recently heard an appeal by Economic Utilities, Ltd., chemical brokers, Whitcomb Street, W.C., against a conviction and fine of £3 and £6 6s. costs, imposed at South-western magistrates' court, for giving a false written warranty in respect of gelatin sold to Tableen, Ltd., on January 8. It was related that a representative of the Battersea borough council bought from a pharmacy at 102 Falcon Road, Clapham Junction, run by Mr. W. L. Derby, 4 oz. of gelatin. The proprietor of the shop said he had bought it from Tableen, Ltd., and had a warranty. On analysis the sample was found to contain 300 parts to the million of zinc. Appellants were later found to be the suppliers, but they did not disclose from whom they had purchased it, so the proceedings were taken. A public analyst said that zinc should not be in gelatin, and although the Society of Public Analysts had agreed not to report cases of 100 parts to the million, 300 parts was excessive. The zinc must have been put in during the process of manufacture, as it could not have got in accidentally. Robert Gregson (manager of the pharmacy) said he had told the purchaser he sold it on the same condition in which he had received it. A director of Tableen, Ltd., said he had purchased the gelatin from the appellants and sold it in exactly the same condition. On behalf of the appellants, Paul Fisher (a director) said he had bought the gelatin from Robert Pintus. He kept the gelatin at public wharves, and supplied it from the wharves as and when required, so that he never handled it at all. At no time had he reason to believe that there was any zinc in the gelatin, and he had a warranty from Pintus. He would not disclose the source of supply, because at the time of the purchase that was a business secret. Allowing the appeal, without costs, the chairman said that the only reason why proceedings were taken was because the firm had refused to answer a legitimate inquiry by the Battersea borough council.

TOPICAL REFLECTIONS

Drugs Rules in India

The criticism (p. 343) of the Drugs Rules, 1945, which have been issued by the Central Government of India under the provisions of the Drugs Act (India), 1940, carries a stage further the question of bringing order into the present unsatisfactory state of the distribution of medicaments in that country. The Pharmaceutical and Allied Manufacturers' and Distributors' Association, Ltd., has acted wisely in asking for official interpretations of some of the Rules and in pointing out defects in others. As you remark, a committee of the Pharmaceutical Export Group in Great Britain drew up in 1944 some useful suggestions for amending the draft Rules; and it appears that the Indian Association mentioned has made a detailed examination of these Rules through a subcommittee (*C. & D.*, 1945, I.673). The present position, as set forth by the Association, is that considerable uncertainty exists regarding the establishment of a "Central Drugs Laboratory"; as importers have to make certain plans at least a year ahead, this uncertainty is causing serious inconvenience, with the possibility of complete chaos in the near future. The specific questions raised in the Association's communication need not be referred to in detail here: it suffices to commend them as practical. The problem of fraudulent substitution is evidently a pressing one in India, and we must hope that the assurances sought by manufacturers and distributors of pharmaceutical products will be forthcoming. Manufacturing, wholesale and retail chemists in this country have much sympathy with their opposite numbers in the great sub-continent in this attempt to regularise their relations with their government. Similar troubles are not unknown in our part of the world.

"Physick for Families"

During the recent seasonal dearth of trade news my thoughts turned to books still unread; and from my list I selected "Physick for Families," second edition, 1696, by William Walwyn, "Physitian." I was prepared to find its contents either a compendium of advice after the manner of George Cheyne (or of the John Armstrong referred to in this section a fortnight ago) or an individual theory of medicine like that formulated by Nicholas Robinson in 1725. What I found was neither of these. The title-page, faced by a portrait of the author

or putative author, includes a rambling subtitle about "enabling every one, at Sea or Land, by the Medicines herein mentioned, to cure themselves, their Friends and Relations . . . without any trouble, hazzard, pain or danger of . . . Blisters, Opium, Antimony and Quicksilver, so full of perplexity in Sickness." At this stage it seemed desirable to look for Dr. Walwyn's credentials. As Munk's three-volume roll of the Royal College of Physicians of London contains no mention of him, I had to infer that his qualification was obscure. His introduction states that after much study he "proved, so successful in choice of materials, and in heightning and uniting of their virtues; as by degrees to raise a large variety of so kindly and so powerful Medicines" that he treated serious ailments "beyond all hope or expectation." Six criteria of "a benign kindly Medicine" are given. The most remarkable of them is the fourth, stating that such medicines should be "highly virtuous and powerful" yet "milde, gentle and manageable."

An Elaborate Puff

The greater part of the pamphlet (pp. 44-144) consists of a description of the author's specifics. The first sixteen have titles ending with "vitæ"—Refugium vitæ, Lac vite, and so forth; the other seventeen form a series with "naturæ" as the second name. Each is recommended, usually in a few words—e.g., "Exceeding behoveful and prevalent, in all sudden frightful and confused Distempers." ("Behoveful," the O.E.D. tells us, was in common use from 1400 to 1700). No indication of contents is given, but in each case the price is quoted. The most expensive of the "vitæ" medicines cost 2os. a pint; that of the "naturæ" sort was priced at 2s. per oz. Particulars of eighty cures or reliefs are added; it is not surprising to read that the author recommends keeping a store of his medicines and avoiding imitations. His address in Finsbury completes this elaborate puff.

For Scottish Pharmacists

It is to be hoped that the appeal of the chairman of the Pharmaceutical Standing Committee (Scotland), printed on p. 323, will be read and acted upon by those concerned. In ordinary times there might be more than one valid excuse for declining to prepare statistics; but these are not ordinary times. Trouble taken now may save much trouble later.

Xrayser

COMPANY NEWS

CHEMSOL PRODUCTS, LTD. (P.C.)—Capital £3,000. To carry on the business of manufacturers of and dealers in medicines, medical preparations and drugs, etc. Frank E. Willis signs as director. R.O.: Carlton Chambers, 19-21 Clarendon Road, Watford.

ZENTLER (MANUFACTURING) CO., LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturers of and dealers in powder compacts, cosmetics, perfumes, toilet preparations, brushes, etc. Adrian Weitzman is the first director. R.O.: 56 Finsbury Pavement, London, E.C.2.

AKOS CHEMICALS, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in soap substitutes, soapless detergents, cleaning, washing and scouring powders, shampoos, disinfectants, ointments, etc. The first directors are to be appointed. R.O.: 36 Southampton Street, London, W.C.2.

THOMAS ROBINSON (MANUFACTURING CHEMISTS), LTD. (P.C.). Capital £25,000. To carry on business indicated by the title. Thomas C. Robinson and Mrs. Lucy F. Robinson, both of Hole House Farm, Accrington Road, Blackburn, directors. R.O.: Central Buildings, Richmond Terrace, Blackburn.

DAPCO PRODUCTS, LTD. (P.C.)—Capital £5,000. To acquire the business of a dealer in adhesive tape and surgical accessories heretofore carried on by Simon Krell at Manchester. Simon Krell and Annie Krell, both of 119 Park Road, Prestwich, directors. R.O.: 8 Swan Court, New Cannon Street, Manchester.

DYTEX (SCOTLAND), LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in dyes and chemicals of all kinds, etc. Emanuel Dee, 53 Melton Court, London, S.W.7, and Benjamin Krenin, 12 Osman Court, London, N.W.2, directors. R.O.: Oxford Circus House, 245 Oxford Street, London, W.I.

LAMBERTS (LANGLEY MILL), LTD. (P.C.)—Capital £2,000. To carry on the business of manufacturing, research, analytical and dispensing chemists and druggists, etc. Jack C. O. Hallam, Clovelly, Nottingham Road, Hill Top, Eastwood, Notts, and Edward Pilkington, 34 Mansfield Road, Heanor, Derbyshire, directors. R.O.: Valley Works, Langley Mill, nr. Nottingham.

SECTO CO., LTD. (P.C.)—Capital £1,000. To carry on the business of manu-

facturers of and dealers in insecticides, vermin destroyers, disinfectants, chemicals, gases, salts, acids and fertilisers, manufacturing chemists, etc. Ewart Woolley, The Briads, Billinge End Road, Blackburn, and W. E. Woolley, Beardwood Hall, Blackburn, directors. R.O.: Phoenix Mill, King Street, Blackburn.

W. J. E. GOULD, LTD. (P.C.)—Capital £3,000. To carry on the business of wholesale and retail chemists, opticians, etc. Frederic Holden, "Dapheen," Timsway, Chertsey Lane, Staines; Edward Muldowney, Brooklands, Green Lane, Shepperton; John Whitehouse, Little Ravenswell, Vicarage Lane, Laleham-on-Thames, directors. R.O.: 1 Broad Street, Teddington.

EMON HOLDINGS, LTD. (P.C.)—Capital £150. To promote, carry on and conduct research in ionisation manufacture of specific products, and in all branches of science, industry and medicine. Alfred R. Heaver, Swan Court, Chelsea Manor Street, London, S.W.3; Wellesley Tudor Pole, 19 Bell Moor, Hampstead, London, N.W.3; and Charles Townsend, 10 Montpelier Road, Ealing, directors. R.O.: 10-12 Copthall Avenue, London, E.C.2.

MAXILIN MARKETING CO., LTD. (P.C.)—Capital £500. Objects: To carry on the business of manufacturing, pharmaceutical, photographic, and dispensing chemists and druggists, opticians, etc., Ernest K. Gregory and Mrs. Hilda Gregory, both of The Red House, Bromley, Cross, Bolton; Geo. Taylor, Emley Woodhouse, Emley, nr. Huddersfield; and Thomas Briggs, Kirk Vale, Kirkheaton, Huddersfield, directors. R.O.: 130 Halliwell Road, Bolton.

SIRIUS VETERINARY HERBAL PRODUCTS, LTD. (P.C.)—Capital £1,000. To acquire the business of a manufacturer of and dealer in Sirius (brand) leaf extract tablets and other herbal, medicinal, pharmaceutical and veterinary products carried on by Juliette De Bairac-Levy, etc. Frank E. Sisson, 65 Victoria Park, Colwyn Bay; Juliette de Bairac-Levy, Malvern Grove, Manchester; and Victor Sisson, 65 Victoria Park, Colwyn Bay, directors. R.O.: 61 Brown Street, Manchester.

EGYPTIAN OXYGEN & ACETYLENE CO., LTD. (P.C.)—Capital £100. Objects: To carry on the business of manufacturers and distributors of oxygen and dissolved acetylene, industrial and medical gases, etc. Steven J. L. Hardie, D.S.O., LL.D.,

Ballathie, D. Stanley, Perthshire; Wm. W. Watt, Little Garth, St. George's Hill, Weybridge; Ebernezer Carnegie, The End House, Radlett; and Laurence S. Kinnear, 3 Longfield Drive, East Sheen, London, S.W.14, directors. R.O.: Grosvenor House (6th Floor), Park Lane, London, W.1.

TIMOTHY WHITES & TAYLORS, LTD.—The seventeenth ordinary general meeting was held in London on September 10. In the absence through indisposition of the chairman of the company (Mr. Louis Nicholas, J.P., F.C.A.), Mr. A. J. Epsley, M.P.S. (vice-chairman) presided, and read the speech which had been prepared by Mr. Nicholas, and from which the following points are taken:—

The profits of the company, including dividends from subsidiary companies, etc., for the year ended December 29, 1945, amounted to £592,335, as against £565,895 for the fifty-three weeks ended December 30, 1944. Interim dividends upon the ordinary share capital have been declared, similar to those of previous years, and the directors do not recommend any further dividend upon the ordinary shares in respect of the year under review, the carry forward on profit and loss being increased to £99,143, as against £84,569 brought forward from last year. Sales during the current year showed increases as compared with the year ending December 1945, but many items of expenditure had increased, in particular salaries and wages. In addition, supplies had been considerably less than demand, but as supplies overtook the demand greater competition would have to be faced. However, the chairman said, he was satisfied that there was still considerable scope for extension of the company's activities, but for some time this must be limited owing to building restrictions, shortage of materials, etc. Plans for proposed new warehouses, etc., to be erected on a site in Aldershot had been prepared, approved, and the necessary licences had been obtained for the erection of part of the premises. The board were satisfied that Aldershot would be a convenient centre to supply the shops of the company and its subsidiaries in London and the South of England. The cost of the new buildings in course of erection, including the site, was approximately £280,000, but part of this cost would be recovered from the War Damage Commission in respect of the destruction of warehouses, factory, etc., in Portsmouth.

BUSINESS CHANGES

THE NORTHERN DRUG CO., LTD., have opened a new pharmacy at 34 Roper Avenue, Gledhow, Leeds, 8.

MR. JAMES S. DUNLOP has opened premises at 247a Morningside Road, Edinburgh, 10, for the sale of all photographic supplies.

WARD, BLENKINSOP & CO., LTD., have moved to 6 Henrietta Place, London, W.1. Telephone: Langham 3185; Telegrams: Duochem Wesdo, London.

PLYMOUTH CO-OPERATIVE SOCIETY, LTD., have acquired the pharmacy of Mr. F. A. Whiteway, M.P.S., 15 Edgecumbe Place, Molesworth Road, Stoke, Devonport.

MR. JOHN J. POWER, M.P.S.I., has acquired the business formerly carried on under the name of Richard J. Gore, 17 Moore Street, Dublin.

MR. A. GIBSON, Penmire, Glenageary Hill, Dun Laoghaire, Eire, has taken over agency representation in Eire for Halex, Ltd., Hale End, London, E.4.

THE BOARD OF TRADE, Department I and M1, removed on September 18 to 152 Gloucester Terrace, London, W.2. The departments affected are the Accounts, Investigations and Supply Branches.

BOOTS, LTD., are removing their London proprieerties and sundries buying offices on October 1 to Hanover House, 73-74, High Holborn, London, W.C.1. (Telephone: Holborn 3781-83.)

THE SCOTTISH CO-OPERATIVE WHOLESALE SOCIETY, LTD., have acquired a pharmaceutical business in High Street, Carnoustie, formerly carried on by ex-Baillie G. Calvert McGonigal, M.P.S.

JOHN HAMILTON & CO., 16-18 Watson Street, Glasgow, announce that, for the time being, Messrs. James W. Hamilton & William McGregor will look after the customers of the late Mr. James Whiteside.

BIDDLE, SAWYER & CO., LTD., are leaving their city offices. Their new address, from September 30, will be 4 Grafton Street, London, W.1. Telephone: Regent 7501. The new premises will provide larger office and warehouse accommodation.

WHALEY BRIDGE & BUXTON CO-OPERATIVE SOCIETY, LTD., have purchased the pharmacy business of Mr. J. K. Huddart, M.P.S., Victoria Pharmacy, Spring Gardens, Buxton. It is understood the Society contemplates opening further pharmacy branches in Buxton and Whaley Bridge.

MARRIAGE

MATHIESON—DICKSON.—In Edinburgh, recently, William Carmichael Mathieson, M.P.S., Roselea, Leyden Park, Bonnyrigg, Midlothian, to Agnes Bell Dickson, M.P.S., 64 Nantwich Drive, Edinburgh, 7.

DEATHS

CARTER.—On August 16, Mr. Francis Carter, Bloemfontein, South Africa, aged eighty-eight. Mr. Carter, who passed the Chemist and Druggist Qualifying and Pharmaceutical Chemist qualifying examinations of the Pharmaceutical Society of Great Britain in 1879, formerly resided in Carshalton, Surrey.

DIXON.—On August 26, Mr. Ernest Albert Dixon, M.P.S., 11 Fairfield Road, Ainsdale, Southport, Lancs, aged sixty-nine.

EVANS.—At his home in Montreal, on August 27, Mr. Alfred Bickerton Evans, aged eighty-two. A former vice-president of the National Drug & Chemical Co. of Canada, Ltd., Mr. Evans was a director of the company until his death. He was born at Rock Ferry, Cheshire, England, in May 1864, and served an apprenticeship to his father at Evans, Sons & Co., wholesale druggists, Liverpool and London. He went to Canada in 1885 to become managing director of Evans & Sons, Ltd., Montreal (branches at Toronto and New York City). In 1906 the company was merged with the National Drug & Chemical Co., and Mr. Evans was chosen as vice-president. He was a member of the council of the Montreal Board of Trade in 1900 and 1901. He retired from active business about fifteen years ago, but retained his directorship.

GARDINER.—On September 11, Mr. Elliot Gardiner, 16 Waltham Avenue, Blackpool, Lancs, aged forty-three. Mr. Gardiner, who was the manager of the pharmacy branch of the Blackpool Co-operative Society, Ltd., Lytham Road, Blackpool, died while assisting in harvesting operations during a holiday at Nantwich, Cheshire. He had been with the Society for seven years and was previously employed by A. S. Galloway, 92 Church Street, Blackpool.

HAY.—On September 5, Mr. Ernest Atkinson Hay, 7 Belmont Road, St. Gabriel's Estate, Chester Road, Sunderland, aged seventy-eight.

RAPER.—On September 12, Mr. John Robert Raper, aged seventy-seven. Mr. Raper was for many years a member of the

editorial staff of THE CHEMIST AND DRUGGIST, retiring from work in that capacity in 1931. In 1884 he commenced a five years' apprenticeship with a Liverpool firm of produce merchants, and on its completion took up a position in the London wholesale drug trade, joining THE CHEMIST AND DRUGGIST in 1895 as secretary to the late Mr. Alfred Charles Wootton, at that time the Editor. In 1898 Mr. Raper succeeded the late Mr. A. C. Meyjes in charge of the Trade Report section. The funeral took place at Golders Green Crematorium on September 16.

ROBSON.—At 59 Falcon Avenue, Edinburgh, on September 11, Mr. William Frazer Robson, formerly of Ardcloch, Nairnshire, and 33 Comiston Road, Edinburgh. Mr. Robson qualified as a chemist and druggist in 1908.

WHITESIDE.—On September 6, Mr. James Whiteside, Riddrie, Glasgow, a representative of John Hamilton & Co., 16-18 Watson Street, Glasgow.

WILLS

MR. ANDREW SCOTT GREGORY YATES, 103 Millbrook Road, Southampton, left £2,231, with net personality £973.

MR. PHILIP PERKINS, M.P.S., 214 Devons Road, Bow, London, E., and 36 Whitefriars Crescent, Westcliff-on-Sea, left £766.

MR. JAMES WALKER SEWELL M.P.S., 57 Park Road, Kingston-on-Thames, left £4,293, with net personality £2,384.

MR. ALBERT ARTHUR BUTLER MORGAN, M.P.S., 21 Pinfold Street, Darlaston, Staffs, left £2,631, with net personality £2,526.

MR. THOMAS GEORGE RHODES, M.P.S., 248 Chester Road North, Kidderminster, Worcs, left £4,261, with net personality £2,533.

MR. GEORGE ALEXANDER SMILEY, B.Sc., A.I.C., LL.B., Newdyn, Tutshill, Chepstow, Mon., left £3,869, with net personality £3,797.

MR. ROBERT FAWDINGTON HUME, 305 Bramhall Lane South, Bramhall, Cheshire, formerly on the staff of Bayley, Clanahan & Co., chemical merchants, Manchester, left £1,816, with net personality £943.

MR. SYDNEY JAMES KEMBALL, 5 Park Avenue, Bromley, Kent, left £28,699, with net personality £20,511. He left 3,500 shares in Kemball, Bishop & Co., Ltd., to his daughter Pamela, and the remainder of his shares therein to his wife for life, and them to his daughter absolutely.

PROSECUTION UNDER FOOD LABELLING ORDER

AT Dudley, Worcs, recently, Jenfem Sales, Ltd., 15 Fountain Street, Dudley, were summoned for an alleged breach of the Labelling of Food Order (No. 2 Order), 1944, when it was alleged that there was a deficiency of 85 international units per oz. of vitamin B₁ in one of their products. On behalf of the Dudley Corporation, the prosecutors with the consent of the Ministry of Food, it was stated that a tin of Jenner's malted soya cream was purchased from Miss I. Turner, 20 High Street, Netherton. The relationship between the defendant firm and Jenner's was not clear, but they were inter-related and carried on business from the same address. Apparently Jenfem Sales, Ltd., were the distributing agents. The Order laid down that if a claim was made for a product that it had vitamin content, a statement of the contents must be made on the label in a particular manner. The vitamin B₁ content must be stated in mgm., whereas the defendant firm gave it in international units. "We do not regard that as a very serious matter," said the solicitor for the prosecution. "If a man knows what is meant by mgm., he would, presumably, know what is meant by international units." The label on the product in question claimed that there were 110 international units of vitamin B but, according to analysis, there were only twenty-five. At the present time, when people were somewhat food-conscious, it was important that manufacturers' claims about their products should be accurate. To justify a claim that a product contained vitamins, there should be something particular about its contents. Flour contained a number of vitamins, but it would be quite wrong to claim a certain vitamin content on the label.

Vitamins in Normal Diet

If the product was taken as suggested on the label, the vitamin content would make very little difference to the diet of a normal person. From the product one could get only 12½ additional international units of the vitamin compared with the 300 units normally taken daily. No proceedings were being taken against Turner, as it was not suggested that she was in any way at fault. On behalf of the company, which pleaded guilty, it was claimed that the complaint of using international units was a purely technical one; in fact the regulations were not altered until 1944. When the product was first put on the market three-and-a-half

years ago, an analysis showed 101.5 units of vitamin B, and this was substantially increased by the addition of more malt. Unfortunately the firm did not realise that malt varied tremendously in its vitamin content—one sample might show 110 or more units of the vitamins, and another sample only 20 to 25. A new label had now been issued and no claim was made with regard to vitamins.

Bench's "Lenient View"

The company had been in existence fifty years, and there had never been any complaint against its products. In many similar cases heard at courts the product was not of good value, but that was not the case on this occasion. To bring the vitamin B₁ content up from 25 to 110 units would cost only about a sixth of a penny for a 2s. tin. Announcing a fine of £15, with £10 14s. costs, the chairman of the bench remarked that it was a substantial deficiency, but they were taking a lenient view of the case because of the firm's good reputation over a long period.

INQUESTS

Ammonia in Handbag.—At an inquest at Wallasey on September 2, the coroner returned a verdict of "Death from poison taken intentionally while the balance of her mind was disturbed," on Mrs. Elsie Boardman, Rainford. Mrs. Boardman was found in a collapsed condition on August 31 and died the following morning; in her bag was a half-empty bottle of ammonia.

Curare as Contributory Factor.—Curare was stated at a Hammersmith inquest recently to have contributed to the death of Mrs. Laura Perry, North Kensington, who died in St. Charles's Hospital after an operation for appendicitis. The anæsthetist said that curare was chosen as the anæsthetic to secure complete relaxation of the patient. A verdict of "Death from misadventure" was recorded.

Wrong Bottle.—At Leeds recently, the City coroner returned a verdict of death from shock due to acute gastritis and enteritis caused by drinking ammonia, on a sixty-three-year-old woman who was found dead in bed. A son gave evidence of finding three bottles in his mother's bedroom; the bottles contained respectively ammonia, chlorodyne and a mineral water. It was stated that she was in the habit of taking chlorodyne followed by a draught of mineral water.

TRADE NOTES

Revised Prices.—Details of revised prices for Capsolin, cascara evacuant and Neko are given in this issue by the manufacturers, Parke, Davis & Co., 50 Beck Street, London, W.1.

Improved Supply Position.—Koray, Ltd., London, express regret at delays that have occurred in supplying certain sizes of their specialities, but state that they are now organised to supply all orders received.

Dental Sundries in Good Supply.—“Almost unlimited stocks” of dental sticks, including stimulators, whalebone sticks, hard, soft and firm wood sticks are offered by British Dental Sticks, Ltd., 46 Elswick Road, Newcastle-on-Tyne, 4.

Following the Fashion.—Scholl Manufacturing Co., Ltd., 182 St. John Street, London, E.C.1, suggest that an increased demand for Scholl foot aids is likely to follow a fashion trend towards high heels and sandal-type shoes.

Anti-cold Course.—A course of anti-cold capsules has been introduced under the name Orasules by Calmic, Ltd., Westhoughton, Lancs, manufacturers of Oravac. A special bulk pack is available for industrial medical welfare departments.

Deliveries Speeded Up.—A considerable reduction in delays in delivering Diuromil is referred to by Pharmax, Ltd., Ibex House, Minories, London, E.C.3, who state, however, that they are still not in a position to promise extensive deliveries.

Dental Training.—Brief details of courses at the Royal Dental Hospital of London are given in an announcement on another page. Applications for full particulars and for the calendar of the school are invited by the Dean.

Optical Examination.—The next examination of the National Association of Opticians will be held at Liverpool in December 1946. Further particulars will be announced later. Syllabus and entrance forms, etc., may be obtained from the Secretary, 130 Princes Road, Liverpool, 8.

“Air-strip” Dressings.—Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts, manufacturers of Handyplast elastic wound-dressing, direct attention to the “air strip” feature of their product, which is claimed to allow the air to filter through to the wound while protecting it against germs and dirt.

Correspondents Please Note.—Rona Laboratories, Ltd., manufacturers of Argotone nasal drops and Deltamin tablets point out that letters are still being forwarded to an address from which they removed some months ago, and ask the trade to note that the address of the company is 159 Finchley Road, London, N.W.3 (Telephone: Primrose 4882).

Penicillin Injections in Sussex.—Mr. J. N. Last, 2 Station Approach, Lancing, Sussex, states that he holds a licence under the Therapeutic Substances Act for the dispensing of penicillin injections and is prepared, during business hours, to dispense such preparations for any chemist in the district at an hour's notice.

Chemicals at the British Industries Fair.—Members of the Association of British Chemical Manufacturers are invited to return completed application forms for space at the British Industries Fair, London, May 1947, to the secretary of the Association, 166 Piccadilly, London, W.1. Applications should be sent in as early as possible in view of the expected demand.

Revised Terms.—Products issued by the Veno Drug Co., Ltd., Chester Road, Manchester, will be restricted from October 1 to Dr. Cassells tablets, Veno's Lightning cough mixture, Germolene ointment, Germoloids and Phenics. New terms for these products in operation from that date are given in an announcement by the company on another page of this issue.

New Works Nearing Completion.—The British Drug Houses, Ltd., announce that their new works at Poole, Dorsetshire, will be in production by the beginning of October. The works are in the town of Poole itself, within half a mile of the railway station, to which they have private siding facilities, and overlooking the Hole's Bay inlet to the north of the main Poole harbour. The factory occupies separate sites, and will be devoted entirely to the manufacture of Analar and B.D.H. laboratory chemicals, products for which the company has become as well known to scientific workers throughout the world as it is to doctors and pharmacists in respect of medical products, pharmaceutical chemicals and drugs. Arrangements have been made to transfer the company's laboratory-chemical warehouses and sales organisation to Poole, and the production and distribution of B.D.H. laboratory chemicals will in future be carried on by a “B.D.H. Laboratory

Chemicals Group" as an entirely separate unit of the B.D.H. organisation. For a long time the company's existing manufacturing and warehousing facilities at Graham Street and Wharf Road have been inadequate to meet the greatly increased demand for both B.D.H. medical products and B.D.H. laboratory chemicals. The new Poole works, which were allocated by the Board of Trade, will provide ample scope for development in the laboratory chemicals section of the company's activities. Equipment has been installed for large-scale production, and it is expected that employment will be provided for some seven hundred people. As only "key" workers are being transferred from London, most of the labour to be employed at Poole will be engaged locally. The Graham Street pharmaceutical laboratories and warehouses, the Wharf Road chemical works, and the subsidiary sites occupied by the company in London will now be free to concentrate on the manufacture and distribution of B.D.H. medical products and pharmaceuticals, output of which will be still further increased by extensive plans of technical reorganisation which will shortly be in full operation.

Proprietary Articles Trade Association

Additions to Protected List.—*Associated Chemicals, Ltd.*, Persomnia (new size), 36s. doz., tax 6s. doz., inclusive retail price 4s. 6d.

Alterations.—*A. S. Hinds, Ltd.*, c/o Lysol, Ltd., Hind's honey and almond cream, trial size, 5s. 6d. doz., tax 5s. 6d. doz., i.r.p. 1s. 1d.; small size, 1s. 2½d., 9s. 7d. doz., tax 9s. 7d. doz., i.r.p. 2s.; large size, 2s. 3d., 18s. doz., tax 18s. doz., i.r.p. 3s. 9d., £3 orders, 5s. 3d., 8s. 9d. and 17s. doz. respectively; £7 10s. orders, 5s., 8s. 6d. and 16s. 3d. doz. respectively. Orders may include Marshall's lysol and Osyl antiseptic.

Lysol, Ltd., Osyl antiseptic, 5s. 4d. doz., tax 10s. 4d. doz., i.r.p. 8s.; 15s. 9d. doz., 2s. 7½d. doz., i.r.p. 1s. 11½d. £3 orders, 5s. and 14s. 6d. doz. respectively; £7 10s. orders, 4s. 9d. and 14s. doz. respectively. Orders may include Marshall's lysol and Hind's cream. Marshall's lysol: Special prices formerly applicable to £2 and £5 orders now apply to £3 and £7 10s. assorted parcels respectively. The £10 quantity price has been withdrawn. Assorted orders may include Osyl antiseptic and Hind's cream.

Solport Bros., Ltd., Foldo finger-stalls, 11d., 7s. 6d. doz., twelve doz. lots 7s. 4½d. Portia non-flam reading shade, D427, 2s. 3d., 18s. 11d. doz.; non-flam pocket reading shade, D433, 1s. 6d., 12s. 6d. doz.; minor non-flam pocket shade, D434, 1s. 3d., 10s. 6d. doz. Portia non-flam folding goggles, D450, 1s. 3d., 10s. 6d. doz.; non-flam actino-fighting folding goggles, D450A, adult size, 1s. 4d., 10s. 9d. doz.; child's size, 1s., 8s. doz.

Stemco, Ltd., Flit hand-sprayers, 3s., 26s. doz.

Veno Drug Co., Ltd. On and after October 1 the minimum carriage-paid window-display parcel will be reduced from £5 to £3. Current list prices and discounts for Veno products remain unchanged.

PERSONALITIES

MR. J. W. SANDFORD, M.P.S.N.I., 14 Main Street, Larne, an alderman of Larne borough council, has been sworn in as a Justice of the Peace.

MR. K. A. H. KNIGHT, Chalfont St. Peter, a member of the sales staff of Horlicks, Ltd., Slough, was presented on September 12 by Mr. W. R. Bowden (London branch chairman of the Incorporated Sales Managers' Association) with the Pickup medal for securing highest marks in the Association's annual examination in sales management. Mr. Knight is leaving this country shortly to represent his company in Singapore.

MR. P. A. NASMYTH, 173 Woodside Avenue, Green Lane, Coventry, who was recently awarded the Allen and Hanburys Research Scholarship (*C. & D.*, September 7, p. 290), was educated at Bablake School, Coventry, where he took the higher School certificate. He then became an articled pupil with Wyleys, Ltd., manufacturing chemists, Coventry, for four years. At the University of Wales, from which he gained the Batchelor of Pharmacy degree, with distinction in pharmacology, Mr. Nasmyth took in his final year a special course in biochemistry and pharmacology. He became president of the Students' Union, and was also a member of the University Naval Division.

MR. S. C. DIGGORY, who has been well-known in the Scottish and North of England chemical trade for over thirty years, has retired from Monsanto Chemicals, Ltd., after continuous service with the company and its predecessors since 1914. The occasion has been taken by his colleagues in the Monsanto sales department to register the high esteem in which they have held him

by presenting to him a silver entree dish. Mr. Diggory has expressed a hope that his many friends will not think that his retirement will mean his complete disappearance from the chemical scene. He hopes "to be around from time to time for a friendly chat."



TREATMENT OF TYPHOID CARRIERS

THE successful treatment with penicillin and sulphathiazole of two typhoid carriers, one of whom continued to secrete *Bact. typhosum* after cholecystectomy, is described by Comerford and Richmond ("Lancet," September 7, p. 343). An initial dose of sulphathiazole, gm. 2 by mouth, was followed by gm. 1 every four hours. Penicillin, in doses of approximately 500,000 units in 10 c.c. sterile water, was given intramuscularly at the same time. Treatment continued for eight days for the first patient and seven days for the second. During a month of observation before treatment, the first patient, a woman aged fifty, ran an irregular temperature between 100° and 97°, and typhoid bacilli were isolated from the stools passed on thirteen occasions. The temperature subsided on the third day of treatment, and thereafter remained normal. In eight complete days of treatment, a total of 24,800,000 units of penicillin and gm. 49 of sulphathiazole was given. No local or constitutional ill effects attended the administration, and typhoid bacilli ceased to be isolated from the stools after the second day of treatment. For over 130 days thereafter, bacteriological

examinations of both stools and urine for this organism were consistently negative.

No Constitutional Ill Effects

Examination of the stools of the second patient, a woman aged sixty-nine, during a month's observation, showed the presence of typhoid bacilli on each occasion. Treatment with penicillin and sulphathiazole continued for five days, after which oral sulphathiazole was discontinued owing to persistent nausea. Sulphapyridine was then given intramuscularly in six successive doses of gm. 1. Vomiting then ceased, and oral administration of sulphathiazole was resumed without further ill effect. A total of 21,420,000 units of penicillin, gm. 36 sulphathiazole and gm. 6 sulphapyridine was given. Apart from the bout of vomiting due, presumably, to sulphathiazole, the treatment had no constitutional ill effect, nor was there any local irritation at the site of the injections. *Bact. typhosum* was isolated from the faeces on the second day of treatment. Intensive bacterial examination of the urine and stools for the 116 days following failed to isolate the organism.

ACTIVITIES OF DIFFERENT PENICILLINS

RECENT work has revealed important differences in the properties and actions of different penicillins which occur in varying proportions in the product "penicillin" as commercially available today. So far, five different crystalline penicillins have been isolated, differing from each other in the structure of their side chain. The American and British nomenclatures of these compounds differ, both being given in the table below (see also *C. & D.*, February 9, p. 183):

British Name	American Name	Side Chain
Penicillin I	Penicillin F	Δ^2 -pentenyl
Penicillin II	Penicillin G	benzyl
Penicillin III	Penicillin X	<i>p</i> -hydroxy benzyl
Penicillin IV	Penicillin K	<i>n</i> -heptyl

(The fifth penicillin is known in U.S.A. as dihydro F.)

Penicillins I to IV affect the same range of bacteria, but differ *in vitro* in their antibacterial power ("Lancet," September 14,

p. 387). Against a strain of *Staphylococcus aureus*, the relative antibacterial activities of penicillins I(F), II(G), III(X), and IV(K) are 90, 100, 55 and 140; against a strain of haemolytic streptococcus 82, 100, 140, and 120, and against a strain of *Spirocheta pallida* Reiter, 53, 100, 50, and 75. Penicillin IV(K), though highly active *in vitro*, is considerably less active when administered systemically. In experiments on mice, penicillin IV(K) was only 1/11 as effective as penicillin II(G), and only 1/30 as effective as penicillin III(X). According to a report by American Council on Pharmacy and Chemistry ("Journal of the American Medical Association," August 24, p. 1423) penicillin IV(K) appears to be destroyed or eliminated rapidly, and therapeutic levels are not achieved or maintained in the body fluids following ordinary doses. The report states that there is no more active penicillin than penicillin II(G). So far as present researches go, penicillins I(F) and III(X) are thought to be equally active, but further research is necessary to define their usefulness. Since the discovery

that penicillin IV(K) which may occur in varying proportions in penicillin of commerce, is less efficacious therapeutically, the National Research Council has recommended increased dosage of penicillin as a precaution, particularly in the treatment of syphilis.

An important fact for the manufacture of penicillin is that the proportions of the different penicillins in the commercial product depend on the strain of mould used, and on the composition of the culture medium. The penicillin produced up to 1944 was predominantly II(G) ("Lancet," *ibid.*) but since then a change has taken place leading to a fall in the content of II(G), and a

rise in that of IV(K). The "Journal of the American Medical Association," on the other hand, states that commercial penicillin now available is predominantly II(G), although batches produced for a few months in 1945 may have had less II(G) and more IV(K) than previous or subsequent batches. Fortunately it appears to be possible to increase the production of penicillin II(G) by the addition of specific precursors. The "Lancet" maintains that the present *in vitro* biological assay methods of penicillin will have to be supplemented by an analytical method which will reveal the quantitative content of the different penicillins.

UNITED STATES RESEARCH

It is announced from Washington that research plans in the United States, involving an annual expenditure of more than \$500 millions for the nation, are now greater than ever before, with chemical, pharmaceutical and petroleum industries leading in the volume of research. One striking development in connexion with post-war chemical research in the United States is the great increase that has taken place in the amount of work "farmed out" by industrial concerns to private research organisations. Non-chemical manufacturers, in other words, are realising that scientific study and development are essential to successful plant operation and the manufacture of new products. Most of this type of research work is being received from companies which have neither laboratory facilities nor a scientific staff, but it is also coming from industrial concerns with extensive research facilities. This trend, says a large independent research institute, is due to the fact that the outside research group offers many inducements for special investigations which can be carried on without interruption in an organisation isolated from production operations.

American Chemical Society's Activities

The membership of the American Chemical Society is expanding along with the amount of research. The Society now has a membership in excess of 47,000, a gain of more than 5,000 since a year ago. This rapidly increasing membership and general expansion taking place in chemical and related research lend added significance to the Society's slogan, "Science Is Power." At the American Chemical Society's recent meeting in Chicago, a total of 726 papers,

the largest number ever read at a meeting of the Society in its history, report advances in seventeen branches of chemical science and technology promising substantial benefits in many phases of daily life. Chemistry's contributions in the world-wide war against hunger, recent discoveries concerning the momentous potentialities of radioactivity, and the war-time harnessing of fluorine, opening up a vast new field to industry, are among the triumphs of science to be reported to the more than 8,000 chemists, chemical engineers and industrialists from all parts of the United States who are attending the technical sessions. Progress in the fields of insecticides, plastics and synthetic rubbers, and improvement in the production and refining of petroleum are also described in the papers.

National Chemical Exposition

More than 200 exhibits, representing virtually every field of chemical industry, are being displayed in the fourth National Chemical Exposition being held simultaneously in the Chicago Coliseum under auspices of the Chicago section of the American Chemical Society. Thirty thousand persons are expected to visit the Exposition which features the American Chemical Society's atomic energy exhibit dramatising the potentialities of nuclear power in peace and war. This atomic energy exhibit, which won wide acclaim in New York, Washington and several other cities earlier this year, will be shown in Paris in November during the first meeting of the General Conference of the United Nations Educational, Scientific and Cultural Organisation (UNESCO).

MEDICAL ABSTRACTS

Chloroquine in Malaria.—Chloroquine, or SN 7618, to which reference has been made previously in these columns (*C. & D.*, May 4, p. 557), is described as a "highly effective, safe antimalarial drug, superior to quinine and quinacrine hydrochloride in the treatment of the acute attack of vivax malaria", by six members of the Medical Corps of the Army of the United States ("Journal of the American Medical Association", July 20, pp. 963-67). Compared with the other two drugs, chloroquine was found to give prompt control of fever in delayed primary attacks of infections, and in relapses; more rapid disappearance of parasites from the blood; and more effective control of symptoms; while symptoms of cinchonism, etc., were absent; further, the drug has the advantage that it need only be administered in short-term courses. For treatment of the acute attack of malaria one tablet (0.3 gm.) of the drug is suggested as the initial dose, repeated after four hours and again on each of the following three mornings. The total dose suggested is 1.5 gm. administered over four days.

Toxic Effects from "Cold Wave" Process.—An increasing number of cases in which toxic effects have been observed following the use of cold hair-waving processes based on thioglycollic acid are reported by Cotter in the "Journal of American Medical Association" (June 15, p. 592). In part the untoward reactions are attributed to lack of skill in the persons operating the process, for, says the writer, "the process is more widely advertised, and cheaper, with the result that less skilled operators now employ it." The signs are swelling of the face or other parts of the body, dizziness, headache, itching. In sensitive persons, thioglycollic acid has been shown to cause severe allergic reactions, mainly on the skin and mucous membranes. The effect is cumulative, and "it seems probable that repeated exposures may eventually prove disastrous to those who have been immune up to the present time." In general, persons with anaemias and allergic disturbances are most vulnerable, but it is not possible to determine in advance, short of a patch test, whether a person will suffer toxic reactions. There is some evidence, according to Cotter, that group sensitivity has been developed in persons who had a violent response to the first application of thioglycollic acid by previous use of depilatories containing an HS radical. In the majority of cases recovery occurs without

permanent damage to the liver when use of the chemical is discontinued. "Adequate labelling and understanding of the dangers are imperative."

Prevention of Seasickness.—Experience gained during large-scale movements of troops by sea during the war is applied to the problem of seasickness in civilian passengers by Trotter in "The Practitioner" (July 1946, p. 45). The operating factor in causing sickness is, apparently, alternating acceleration in a vertical plane. The periodicity of the alternating acceleration is important, and there is an optimum period of acceleration beyond which it is less effective. Highest sickness rates occur in vessels of small to medium size. In very small craft periodicity of motion is too rapid, in large liners too slow, for maximum effect. The utricle, not the semi-circular canals, probably initiates the impulses causing sickness. The effect is least readily produced when the head is held horizontal. Attempts to determine in advance the susceptibility of individuals to sickness were not successful, and there seems to be no direct relationship between susceptibilities to sea-sickness and to air-sickness. Sea-sickness has a physical basis, but can be made worse by mental factors. Preventive treatment consists of attempting to give the passenger a rational attitude towards the problem, combined with the administration of hyoscine when sickness is likely to occur, but before the actual onset of nausea. For nervous subjects the addition of a sedative such as phenobarbitone may be helpful. For short voyages gr. 1/100 hyoscine hydrobromide is suggested as an adult dose. Twice this dose may be given to particularly susceptible subjects. On long voyages the following dosage of hyoscine hydrobromide is recommended:—Gr. 1/100 one hour before rising, gr. 1/200 one hour before lunch, and gr. 1/200 one hour before the evening meal. The subject should be encouraged to eat. Once sickness has occurred, the supine position should be adopted, with the head kept quite flat, for some hours. If the symptoms relax, oral administration of hyoscine may follow. If nausea continues, an injection of gr. 1/200 to gr. 1/100 may be tried.

Hashish Cigarettes in London.—Drugged cigarettes made of Indian hemp and tobacco are being sold in London's West End. Addicts pay as much as £2 for a packet of ten.—"Daily Graphic."

SABADILLA AS AN INSECTICIDE

THE scarcity of rotenone and pyrethrum during the war led to the investigation of other materials of vegetable origin as possible insecticides for crop pests. Trials carried out at the University of Wisconsin on sabadilla seed have shown promising results. These, published mainly in the U.S. publication "Journal of Economic Entomology," are reviewed in the "Bulletin of the Imperial Institute" (xliv.2.102). Sabadilla is a tall, herbaceous plant, belonging to the genus *Schoenocaulon* (Liliaceæ), and is widely distributed in Central America, Venezuela and Peru, the chief species being *S. officinale*. Indigenous to the United States are *S. drummondii*, *S. tekanum* and *S. dulsum*.

Sabadilla, also known as cevadilla or caustic barley, has long been known for its medicinal and insecticidal properties. The powdered seeds, as an ointment (1 in 4) or as acetum cevadillæ (1 in 10), have been used as a parasiticide, especially for pediculosis capititis. It is reported to have been a great standby of farmers in America for treating cattle lice and ticks. It has also been used against soil-inhabiting worms, plant lice, chewing insects, green bugs, grasshoppers, roaches, bees and webworms. A combination of rotenone and sabadilla is said to be useful against cabbage worms and tent caterpillars.

Alkaloids of Sabadilla

Sabadilla seed contains approximately 0.6 per cent. toxic alkaloids, a mixture of cevadine, veratridine, cevine, cevadiline and sabadine. The alkaloidal mixture is generally referred to as veratrine; veratridine and cevadine appear to have the greatest insecticidal properties.

The Wisconsin workers found that kerosene extracts of sabadilla seed were highly toxic to house-flies and compared favourably in kill and "knockdown" power with other types of kerosene sprays such as pyrethrum. The most active samples were those in which the seed was originally obtained in a powdered condition. Freshly ground seeds were found to be practically inactive, but heating to 150° during extraction considerably increased their toxicity. Heating the powdered seed and treating with soda ash before extraction also increases toxicity. A combination of the two methods, which are covered by patents in the United States, was used to obtain the greatest insecticidal action with the minimum amount of seed. The insects used in

the tests were the milkweed bug and the red-legged grasshopper.

Trials with sabadilla for the control of economic pests have mostly been of a preliminary nature. In at least one instance, however, it has proved of outstanding value in meeting an emergency in the Wisconsin vegetable canning industry. Sabadilla dusts totalling one million lb. were used to control such insects as leaf hoppers in string beans and other vegetable crops.

Promising Results

Promising results have been obtained with sabadilla against the following: Squash bug (*Anasa tristis*), chinch bug (*Blissus leucopterus*), cabbage worm (*Pieris rapae*), cabbage looper (*Autographa brasicæ*), green stink bug (*Acrosternum hilaris*), harlequin bug (*Murgantia histrionica*), green clover worm (*Platynotra scabra*), Mexican bean beetle (*Epilachna varivestis*); some value is indicated against *Lugus* species.

In New York, a sabadilla dust with the addition of sulphur was found to be nearly as effective as rotenone in controlling cattle lice. An insecticide known as Babbini, a mixture of sabadilla, cayenne pepper, arsenic and quicklime, is being manufactured in Peru for use against pests which attack cotton.

Sabadilla dust proved very toxic against the Saratoga spittle insect when freshly applied to jack pine trees in the Lake states, but did not retain its activity on exposure. A commercial preparation of sabadilla gave considerable control over the froghopper of sugar cane, and the population of the insect did not attain a serious level after application of the dust.

Plastic Coating as Transit Safeguard.—A plastic coating shortly to be marketed in the U.S. under the name Cocoon will make possible the packing of a large range of items that would otherwise suffer deterioration from shipment or long-term storage (e.g., ball-bearings and other metal goods). The plastic has a tensile strength of 2,000-4,000 lb. per sq. in., and consists of a modified film-forming Vinyl resin in volatile solvents. Four coatings are sprayed on to the equipment, and the resulting film has a thickness of 1/400 in. The packing is readily removed by slitting the material with a knife and peeling it away from the apparatus. The coating may be stretched to three times its original length without rupture.

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VOL. CXLVI SEPTEMBER 21, 1946 NO. 3476

N.H.I. Remuneration

An increase in the capitation fee for medical practitioners under the National Health Insurance Acts, awarded by the Minister of Health recently (see *C. & D.*, August 31, p. 257), together with a suggested increase for dentists, suggest the comparison of payment increases to doctors, dentists and pharmacists given in the table below. A recom-

PROFESSION	BASIS OF REMUNERATION	TOTAL INCREASE OVER 1939 FIGURE
Doctors	Capitation fee	39 per cent. (accepted as interim payment)
Dentists	Service or goods provided, e.g., full upper and lower dentures	41 per cent. (offered by Minister) 72 per cent. (claimed by dentists)
Pharmacists (in England and Wales)	Dispensing fee	33½ per cent.

mendation sent to all Panel Committees by the British Medical Association on the initiative of its Insurance Acts Committee, suggests that practitioners should place their resignations from the N.H.I. service in the hands of the committee, and should authorise the committee to forward them to the Minister, unless the Minister is "willing fully to apply the Spens Report to the current capitation fee, with effect from January 1, 1946." The Spens report, which the Government undertook to apply ("The Minister . . . fully accepts the substance of the recommendations") indicated a capitation fee of 15s. The Minister's view is that the

matter is intimately bound up with terms under the National Health Service, which the British Medical Association's representatives did not feel themselves empowered to discuss. The figure of 12s. 6d. is therefore put forward pending further discussions. According to a note in the "Lancet," the B.M.A. Insurance Acts Committee "has decided that it can regard this award only as an interim payment."

Payments to Dentists

Payments to dentists are on a different footing. They are based on a schedule too lengthy to be reproduced in these columns, but the item shown in the table may be regarded as typical.

For example, the fee for full upper and lower dentures before the war was £5 10s. The fee operating now "after twenty years' interval and six years of war" is £6 7s. 6d. The fee rejected by the Government was £9 9s. The fee which the Minister seeks to impose is £7 15s. The Joint Advisory Dental Council decided to advise all dentists to undertake official contracts only on the scale of fees which was put forward by the Dental Benefit Council. The Ministry of Health has refused to retract the scale of fees to which the dentists object.

Drug Control Changes

THE comprehensive list of imported crude drugs and chemicals, given in full on p. 377, from which control of distribution has now been removed, makes interesting reading to dealers and others in the markets concerned with these substances. While it is obvious that removal of control from such a range of commodities must tend to make trading conditions less onerous, there is no indication that the character of the present concession will materially affect production of galenicals and other manufactured preparations. The only advantage to be gained is the removal of the war-time arrangements under which importers and distributors of drugs were obliged to obtain official approval of their sales. It should be noted that import licensing arrangements are in no way affected by the new development as it will still be necessary for importers to comply with the requirements of the Import Licensing Department of the Board of Trade.

Penicillin Administration Today

A CORRESPONDENT points out that a reference to penicillin administration made in these columns in last week's issue of the *C. & D.* (p. 339) was already out of date by reason of the greater purity of the penicillin preparations now available for injection. It is only fair to the British manufacturers to agree that this is so. Professor Fleming, in "Penicillin" (published July 1946), wrote: "The present methods of administration are inconvenient to both patient and doctor, but newer methods are remedying this so that a patient can have a penicillin treatment and still carry on his work. Large doses morning and evening or a single daily dose in the oil-wax mixture suffice in many cases." The "newer methods" are already available, and it is now possible and practicable to inject up to 500,000 units every twelve hours, totalling one million units daily, thus usually eliminating the former need to have the patient taken to hospital for treatment.

Side-lines

IN an article entitled "Ask the Chemist," which appeared in a recent issue of the "Manchester Guardian," the writer ended on a note of surprise and almost of horror. "Back in Porto Ferraio," he wrote, "I consulted the chemist. He prescribed a powder. . . . As I left the shop I saw that meat was being sold at the other end of the establishment, and outside I looked up at the sign over the door. I had some trouble half an hour later in swallowing the powder, for the sign read: 'Borgia, Butcher and Druggist.'"

The surname may suffice to account for the horror, and the duality of occupations for the surprise: butchering as a side-line is one which we ourselves have not encountered, but it is presumably an honourable craft, and one, it may be, not wholly unrelated to surgery. Possibly the pharmacist was a Moynihan *manqué*, or he may have held the Italian equivalent of a Therapeutic Substances Act licence for preparing insulin, liver extract or pituitary.

In this country, practical considerations may persuade members of the Pharmaceutical Society against emulating the pharmacist of Ferraio. With ironmongery,

it is quite easy to fix a brass strip to the floor, or even to rely on an imaginary dividing line, and to say, in effect, "On my left, hardware; on my right, Pure Pharmacy," whereas the butcher's sawdust may with difficulty be restrained from finding its unwanted way into the dispensary. Still, that does not in itself put butchery out of court. Whether meat is more incongruous in a pharmacy than, say, paint or tobacco or alarm clocks, depends at least in part on what the customer has come to regard as familiar. There are those who regard any side-line in a chemist's shop as undignified, though they are as apt as the rest of the community to take for granted a pharmacist's universal and entirely honorary sideline: the giving of advice and information. In this matter the corner druggist of a Middle West township shows close kinship to the *Pharmacien du 1^{er} Ordre* of a Parisian *arrondissement*, or the family chemist of an English market town.

To do the "Manchester Guardian" contributor justice, he acknowledges and repays his debt for free information most handsomely—in kind. Having adopted the advice of a *gendarme* in a French village, "Go along that street there and you will find a chemist's shop. Ask him, monsieur. He is sure to know. They know everything *ces gens-là*," he recounts that he became "indeed an authority on the little town when I left the chemist's and sought the hotel."

"Intelligent, Obliging and Informative"

"Why a chemist?" he asks later in his article. "Why not a doctor or a mayor? Well, one never knows when a doctor is at liberty, and a mayor, these days, is generally too busy distributing food cards. . . . You can see, by a glance into his shop, if a chemist is free. And a *pharmacien* is always an intelligent obliging and informative man." Pleasant reading, this, such as seldom finds its way into print, but kind words purchase no Savings Stamps, and the poor pharmacist must have an income. Until the preparation of medicines is well enough remunerated to provide a living in itself, side-lines, however incongruous they may seem, are likely to continue. Butchery has at least the advantage that it is profitable!

DR. CLITHEROW ON "CRAFT" UNION

At a meeting of the Plymouth Branch of the Pharmaceutical Society recently, Dr. R. CLITHEROW, M.P., M.P.S., gave an address on "The National Health Service Bill and the Need for a Registered Pharmacists' Union."

With the National Health Service Bill, Dr. Clitherow stated, pharmacists had not been very successful, but they had obtained the right to attend refresher courses with out-of-pocket expenses paid. In Committee he had obtained from the Minister of Health the assurance that health centres would be examined by the statutory inspectors, and medicines would be tested in the same way as those of contractors. He considered these points as an important link between health centres, contractors, and the Pharmaceutical Society. The Bill had recognised pharmacists as practitioners. Claims for increased pharmaceutical representation had failed, but the Minister stated he wished to make use of all professional advice, and advisory committees seemed indicated. The Bill was purely an enabling Bill to allow the Minister to make regulations by which the Service would be worked. The Bill combined promises and threats to pharmacy. The promises included recognition, increased dispensing, further separation of prescribing and dispensing, all leading to an improved status. The threat, however, was that medical practitioners in rural areas might continue to dispense medicines as at present.

Need for Full Services

While acknowledging the necessity for doctors to dispense in sparsely populated areas, he objected to a principle which allowed doctors to come within a few hundred yards of a pharmacy to dispense medicines that had to be collected by the patient. The British Medical Association appeared to be supporting doctors' rights to dispense as at present, and the indications were that the Association wished to place medical control as firmly as possible and at as high a level as possible. Dr. Clitherow felt that pharmaceutical committees, as planned, might not be strong enough to protect the craft against all the influences that might be brought to bear upon the Minister, and that, if pharmacists did not give satisfactory and comprehensive services, the profession would have to face growing competition from health centres. He would not be pessimistic if pharmacists recognised their obligations and responsibilities, and

went all out to provide the public with the service it demanded, and if they organised in strength to protect their interests.

Dr. Clitherow indicated his dissatisfaction with the present remuneration arrangements, and stated that he had made a plea on the floor of the House during the second reading of the Bill, that remuneration should be considered in the light of future developments. In reply to his plea, Mr. Arthur Greenwood stated that the Bill gave to the Minister a general power to prescribe by regulation the conditions of service, remuneration, and qualification of those employed by any person providing health service under the Bill, and it was the Minister's intention to use machinery of discussion and negotiation with employees. Dr. Clitherow stated that he was informed that it was in the mind of the Lord Privy Seal that the Minister would consider all interested bodies, particularly those who did the actual work. In standing Committee later, the Minister said he would set up some form of Whitley Council to advise him, unless he was satisfied that the negotiating bodies truly represented the workers concerned. The Minister gave assurance that health centres would not be set up in direct opposition to pharmacies in the locality, but he had to give a service the public demanded. The first centres would be experimental, and all sides of the health centre service would be developed according to the experience gained in the experimental ones. Dr. Clitherow said the present basis of pharmacy was going to change, and would become more professional. Pharmacies otherwise would develop in the direction of American drug stores. He saw no hope for pharmacy other than ethical development. The health Bill had awakened pharmacists and he had received a number of letters asking him to take some step to call a meeting whereby future trends could be considered and whether it was possible or expedient to form a professional trade union, organised by pharmacists for pharmacists. Such a meeting was held on July 31 in the House of Commons, when sixty-four pharmacists left their names and addresses as interested in the formation of a union.

Health Workers' Federation

A professional pharmaceutical trade union should be open to every pharmacist by right, and should have as its main objects the improvement of status and economic conditions of all pharmacists in all branches

of the profession. The whole weight of the organisation would be behind the advancement of any section as a means of improving the status of the whole ; the body should be recognised by the Ministry as a source of pharmaceutical opinion, and should be able to work in co-operation with the Ministry to give the country the best pharmaceutical service. The composition of the Medical Practitioners' Union was far more diverse than pharmacy could possibly be, with specialists of many kinds as well as general practitioners, who might be practising individually, or in partnership, or as assistants. Could one consider an individual doctor who employed a dispenser, nurse, receptionist, bookkeeper or any other help to carry out his medical duties, as an employer? He was identical, in practice, with the individual self-employed pharmacist ; the Medical Practitioners' Union was, nevertheless, affiliated to the Trades Union Congress. The M.P.U. wished to work in collaboration with trade unions or health workers, and did not seek to control holders of any other statutory qualification. The aim of many interested in health workers' organisations was to form a federation.

The Pharmaceutical Society

The Pharmaceutical Society was an educational, examining, qualifying, and disciplinary body, largely an instrument of Parliament in carrying out statutory demands. Dr. Clitherow deplored the principle of the Society carrying out these statutory obligations so far removed from the spirit of the founders—the pharmacist and pharmacy to-day were in need of nourishment, not punishment. The Society had declared in its report that the development of sectional interests made it impossible for the Society to carry out literally the object under the Charter of protecting the interests of all its members. Secondly, owing to the Jenkin case, it could work to the detriment of employee pharmacists, who form a large proportion of the pharmacists on the register today. It was legally impossible for the Society to become a trade union in principle, practice, or duties. By its own report it could not become involved in economic matters, and it did not take the initiative, except on matters affecting the qualification or statutory obligations.

The National Pharmaceutical Union had been an outcome of the Jenkin case and had a membership of some 7,000, who could be considered as individuals, although those who practised under protection of the Companies Acts, were, under the law,

employees of their own company, even though they might personally hold 99 per cent. of the shares. On the Register there were over 25,000 pharmacists and it could be assumed that outside the N.P.U. there were 15,000 or 16,000 pharmacists working in some branch of pharmacy. Dr. Clitherow paid tribute to the National Pharmaceutical Union. The N.P.U., he said, was a business association of the utmost value to its members, and while he agreed with Mr. Mallinson that employees badly needed organising, he was of the opinion that an open professional craft union based on the principles of the Medical Practitioners' Union, containing self-employed pharmacists as well as employers on the basis of their qualification, would serve the profession better than the present system.

The Joint Committee

Dr. Clitherow doubted if the N.P.U. and the Company Chemists' Association, as contracting bodies, could comply with the generalisation of Mr. Greenwood's remarks, and he further felt that the composition of the Joint Committee could be challenged as a negotiating body, being possibly irregular in certain aspects, and, outside of the N.P.U., hardly truly representative of pharmacists. He had no idea of the reaction of the C.C.A. to the proposed organisation, but he was certain that they, as business people, would recognise the value of a professional craft union in negotiations with the Ministry. The three large Unions affiliated to the T.U.C. had been unable in the past to organise successfully pharmaceutical sections, due to difficulties of professional association. He did not think that their gross membership exceeded 3 per cent. of the total Register. Other pharmaceutical bodies included the Guild of Public Pharmacists, a fine professional organisation but not a Trade Union, and this, he said, would find itself in congenial helpful company inside a Trade Union. Many of the other organisations represented on the Joint Committee, he thought, were "generally moribund."

Need of Unification

Quoting the report of the Pharmaceutical Society's Committee of Inquiry, he stated that, in the absence of a unifying influence, these various organisations and associations would play into the hands of opponents of pharmacy by making it easier for them to apply the principle of "divide and rule." A "strong unifying influence," he hoped, was being offered to the profession today, and he

believed that the interests of pharmacy and pharmacists in general would be protected and enhanced by the new organisation, which it was hoped would vote for and apply for affiliation to the T.U.C. One of its rules would preclude direct affiliation to any political party. The organisation would be devoted to the economic interests and status of the pharmacist; and to taking the initiative the Society lacked, to working in the interests of those employed in the craft, with the N.P.U. and the C.C.A. wherever possible; and to working in the interests of the public in the pharmaceutical side of the new Health Service. He suggested that the statutory powers given to the Society by the Pharmacy and Poisons Act, 1933, could have been used more widely to suppress "bazaars, stores and general shops trading on the self-medication of the public." He doubted whether the "spirit of blind loyalty and confidence preached today by some" could possibly produce unity. Those who urged this "blind confidence" were emphasising the sectional interests which kept the profession divided: all the benevolent phrases in the world were no substitute for organised pressure. It was essential for the progress and advancement of the profession and the professional worker that workers should co-operate together, for such concentration of power enabled them to make that power fully felt and appreciated, and afforded them the greatest security.

Discussion

In reply to questions put by THE CHAIRMAN (MR. SMITH), MESSRS. YEATES, WALLIS, WILLIAMS, PORTER, BURROW, RAMSDEN FLANK (Torquay), HARKER, MADGE and JEWELL, DR. CLITHEROW said he had not seen any reports concerning dentists' salary investigations; pharmacy was in a different category and he anticipated negotiations rather than a Spens Report for pharmacy. Self-employed pharmacists would be contractors under the scheme, and he did not think that they would be considered in any way as employees of an Executive Committee, but no private pharmacist trading under protection of the Companies Acts could consider himself as either a contractor or an employer, the company was both. He agreed there was a problem to be faced with the unqualified employee in pharmacy, but as time was so short pharmacists should concentrate on a professional union first. Later this problem would have to be faced by the Union and no doubt they would be prepared to assist the organisa-

tion of the unqualified employees. He was definitely against dilution of professional or skilled labour, and felt that the union could achieve this better than the existing organisations. He was apprehensive about the unqualified dispensers, for example the ex-Army and the ex-doctor's dispensers. He did not think that employers wanted cheap labour, but felt sure the emphasis would be on quality. It would be certain that the Minister, by regulations, would fix the salary of the health centre pharmacist and a union was necessary to negotiate with the Minister on behalf of him. Dr. Clitherow thought that salaries would be considered at the same time as terms of remuneration, but he did not think that the Minister would take a direct hand in fixing salaries of contractors' employees, qualified or otherwise. He did not think that the Minister would take such a drastic step as the prohibition of the sale or advertising of "patent" medicines, for that would interfere with the rights of the individual, who must have the right to treat himself or to go to any type of practitioner he preferred. There was no doubt that some investigation and restriction of the sales and advertising of "patent" medicines would take place by legislation.

A vote of thanks was proposed by MR. WALLIS, and seconded by MR. YEATES. This was carried with acclamation. In replying DR. CLITHEROW emphasised how desperately short time was for organisation.

Harley Street Swan Song.—Taking as his text a statement by the Minister of Health (Mr. Aneurin Bevan) that "The Harley Street prima donnas will soon be singing their swan song," Scorpio in the "Daily Herald" offers the following:

Flitting patient and falling fee.
Hard times coming for you and me,
That is the Bevan recipe.
The axe has fallen, the end is Nye,
The patients live and the specialists die,
Good-bye, neurosis, good-bye, good-bye
Shadows gather in Harley St.,
Rack and ruin will be complete,
With national service we can't compete.
State physicians are in supply,
Public surgeons with fees less high,
Good-bye, gastritis, good-bye, good-bye !
The nose, the throat, the ear, the heart,
The lung, the larynx, will soon depart,
State Health Service is due to start.
The liver will leave and the kidney will fly,
The skin diseases, the nerve, the eye.
Good-bye, appendix, good-bye, good-bye !
What are we waiting for, B.M.A. ?
Let us sign on without delay.
Today is different from yesterday.
The Bill will pass, whatever we try,
So long, lumbago, good-bye, good-bye,
Farewell, neuralgia, good-bye, good-bye,
Good-bye for ever, good-bye, good-bye.

PHARMACEUTICAL SOCIETY OF IRELAND

THE September meeting of the Council of the Pharmaceutical Society of Ireland was held in Dublin on September 10, Mr. P. A. Brady (vice-president) in the chair. Other members of the Council present were Messrs. P. C. Cahill, N. A. McKane, J. Gleeson, T. C. Scott, G. C. O'Neill, F. X. Meagher, T. B. O'Sullivan, M. Power, H. P. Corrigan, F. Loughman, T.D., P. A. Brooke-Kelly, P. F. McGrath, M. Costeloe and P. Fullam.

The Late Mr. Michael O'Rourke

THE VICE-PRESIDENT, before proceeding with the business of the meeting, referred sympathetically to the bereavement suffered by a Council member (Mr. James O'Rourke) in the death of his brother. All members would agree that Irish pharmacy had suffered a great loss in the death of Michael O'Rourke, whom he had known for many years as an enthusiastic worker in all matters of pharmaceutical interest. He moved a resolution expressing the deepest sympathy of the Council with Mr. James A. O'Rourke and the other relatives of the late Mr. Michael J. O'Rourke, and all members of the Council stood in silence while the motion was passed.

Amended Election Regulations

Messrs. F. X. Meagher and T. C. Scott were unanimously elected scrutineers for the forthcoming Council elections.

The following letter was received from the Secretary to the Minister for Justice: "I am directed by the Minister for Justice to return herewith the copy of the resolution adopted by your Council on June 11, amending the Regulations relating to annual meetings and elections for the Council. The Minister's approval is endorsed thereon. The resolution will be published in 'Iris Oifigiúil' on September 9." The resolution referred to reads as follows: "That the regulations re annual meetings and election of the Council (pages 56-59 of the Book of Acts & Regulations) be amended as follows: Delete regulation III, p. 56; amend regulation V., p. 57, by deleting the words 'eleven o'clock' and substituting therefor the words 'first post.' Delete regulation XIII and enact in lieu thereof 'The scrutineers of the ballot shall be two members of the Council elected for that purpose at the September meeting of Council, with the President or Vice-President, or, in the unavoidable absence of the President and Vice-President, a member of

Council nominated by the President to act in their stead, with the proposer or seconder of each new candidate, and the Registrar. The scrutineers shall meet on the first Monday of October at 10 a.m., or at such hour as the Council by resolution direct, to count the votes and deliver to the Registrar a record of the voting. The names of those elected shall be declared by the presiding chairman at the annual meeting."

A communication was received from the Federation Internationale Pharmaceutique setting out in English the works of the Federation Commission concerning specialities; the communication was noted.

Registration and Membership

Applications, accompanied by certificates, to be placed on the new Register of Apprentices were received from Mary Josephine O'Brien, Patrick F. O'Rahilly, and Eoin D. Leavy; the applications were granted. An application by Mrs. Hooke (née McAuliffe), L.P.S.I., desiring change of name in the Register on marriage, was granted.

The following changes of address were notified:—

Mr. A. Corless, M.P.S.I., to 44 Dublin Street, Carlow; Mr. S. B. Lester, M.P.S.I., to 106 Patrick Street, Cork; Mr. P. O'Connor, M.P.S.I., to The Square, Ballaghaderreen; Mr. S. O'Murchadha, M.P.S.I., to 364 Griffith Avenue, Glasnevin, Dublin; Mr. J. G. O'Neill, M.P.S.I., to 227 Griffith Avenue, Dublin; Miss M. E. Quinn, M.P.S.I., to 7 Lower Baggot Street, Dublin; Mr. J. Connell, to Dublin Street, Monaghan; Mrs. M. M. Hooke, L.P.S.I., to Springfield, Killiney, co. Dublin; Mr. J. J. Noonan, L.P.S.I., to Borrisoleigh, co. Tipperary; Mr. R. T. Phelan, M.P.S.I., to 33 Michael Street, Waterford.

The Licence certificates of the following were signed and sealed: Eleanor C. Burke, Nora Fox, Mary O'Dea, John D. O'Sullivan, Kathleen Kearns, Margaret M. G. Kyne, Patrick Fahey, Augustine Stockwell, Pauline B. O'Hora, Michael J. Heneghan, Anna A. O'Donoghue, and Catherine M. Dunne.

Messrs. F. Hart, J. P. McCluskey, P. J. Meade, H. F. Moore, Dr. M. O'Donnell, and Miss M. E. Quinn were elected members of the Society. The following were nominated for membership: Messrs. James Connell, Dublin Street, Monaghan; P. N. Greene, The Medical Hall, Ballyjamesduff, co. Cavan; and J. J. Noonan, Borrisoleigh,

co. Tipperary; Dr. J. Shiel, 70 Lower Drumcondra Road, Dublin; Mr. A. G. Wilson, 49 Lower Gardiner Street, Dublin; and, as an Associate Druggist, G. Hennessy, 5 Palace Anne Villas, South Douglas Road, Cork.

The Reports of the House, Law, Schools, Certificates and Declarations Committees were submitted and approved.

Examiners' Report

The Examiners to the July Licence examination reported that sixty-two candidates had entered for the examination, of whom twenty passed. Of the sixty candidates who entered for the Assistants' examination, one withdrew and thirty-two passed.

ULSTER CHEMISTS' ASSOCIATION

At the September meeting of the executive committee of the Ulster Chemists' Association, Mr. T. A. Gibson (president) in the chair, THE SECRETARY (Mr. J. McClenahan) reported that he had not yet received a formal reply from the Pharmaceutical Society of Northern Ireland to his inquiries about apprentices, but he expected to have it after the next meeting of the Society's Council.

Approval was given to a draft circular on the subject of the Associates' Section, and the secretary was directed to send a copy to each member and to the trade Press. [Not yet received by the C. & D.—Editor.]

Early Closing Plans

The report of a subcommittee on early closing and rota arrangements stated that the memorandum to be signed by Belfast chemists and registered druggists had been submitted to the Belfast Corporation for formal approval. Immediately approval was given, the secretary would proceed to collect signatures to the demand for 6.30 p.m. closing with a 7 p.m. late night. It was agreed that the 8 to 9 o'clock rota arrangements should be put into force as from the first Sunday in November. THE SECRETARY said that the new closing order was not likely to be passed and in force before January 1, 1947.

Membership

The following were elected to membership:—Mr. A. L. Martin, Ph.C. (successor to Mr. J. B. McCune, branch shop, Duncairn Gardens, Belfast), Mr. J. A. Patten, Ph.C., Belfast (on reopening blitzed premises), and Anderson's (Chemists), Ltd., Newtownards, successors to Mr. R. Morrow. The following who had already

A single candidate for the Registered Druggist examination was unsuccessful.

THE REGISTRAR (Mr. J. J. Kerr) reported the deaths of Messrs. A. A. Brunker, M.P.S.I., Owen Lynch, M.P.S.I., M. J. O'Rourke, M.P.S.I., and Noble Graham, L.P.S.I. He further stated that the name of T. J. Kerr had been removed from the Register of Registered Druggists at the applicant's request.

Professor J. Bayley-Butler was unanimously re-elected examiner in botany and *materia medica* to the Licence examination for the year ending October 1947.

A meeting of the Benevolent Fund Committee followed at which some grants were passed for payment.

ULSTER CHEMISTS' ASSOCIATION

been approved by the Associate Committee were formally elected as Associates:—Pharmaceutical Chemists:—Miss E. L. Sweeney, Messrs. George Russell and V. J. Elliott; Assistant:—Miss D. Swinerton; Apprentice:—Mr. Liam J. Corrigan. It was decided that the annual meeting should be held in the Grand Central Hotel, Belfast, at 2.45 p.m. on Wednesday, November 20.

Evening Classes Proposed

THE SECRETARY spoke of concern on the part of the Associate Section that no evening classes, except revision courses, had been arranged for the session for the Part II examination. Employers who had engaged unqualified assistants were also concerned that no evening classes were available, with a result that unqualified assistants would have to pursue a whole-time course of study. The syllabus of the Belfast College of Technology for the current session included a statement that sympathetic consideration would be given if twelve or more students desired to have evening classes for Part II. It was agreed that a notice should be included in the next U.C.A. circular asking students who wished to have a second-year course of evening classes for Part II to communicate with the secretary. If there were enough applications, suitable arrangements might be made.

Question of Precedence.—“It was difficult to say whether a photographer stood above a dentist or a pharmacist. He was certainly no equal of a doctor or a stockbroker”—Mr. E. O. Hoppé in a paper read before the Royal Society of Arts.

INSURANCE ACT DISPENSING

Preston.—In the quarterly report of the Insurance Committee, presented on September 4, the number of prescriptions dispensed during the quarter was given as 61,874. Comparative figures in the area were:—Bolton, 94,957; Blackburn, 76,466; Blackpool, 69,942; Preston, 61,874; Westmorland, 16,379.

Scotland.—The report of the Executive Committee of the Scottish Association of Insurance Committees, prepared for submission to the Association's annual conference in Aberdeen on September 20 and 21, refers to the "unreasonable" maintenance of purchase tax on drugs.

Drug Accounts Committee (Scotland).—The following table shows; for the years 1944 and 1945, the number and value of prescription forms dealt with on behalf of the Insurance Committees in Scotland and the Ministry of Labour, Northern Ireland, by the Drug Accounts Committee (Scotland). Payments in respect of purchase tax are excluded from the totals.

PRICED FOR	1945		1944	
	FORMS	VALUE	FORMS	VALUE
Fifty-four Insurance Committees in Scotland	3,330,323	£325,082	3,310,973	£298,740
Ministry of Labour—Northern Ireland	848,155	£86,382	831,131	£76,392
TOTALS	4,178,478	£411,464	4,142,104	£375,132

To illustrate the principle that expense in itself is no bar to the supply of proper and sufficient medicine, the Committee's report quotes an instance where one insured person received, between January 1937 and June 1946, prescriptions to the value of £1,127. They were for a proprietary brand of extract of adrenal cortex. The glands from 100 head of cattle were required to make the total quantity prescribed. Prescriptions which state only quantities of the drugs for one dose, prescriptions written with metric weights and measures and prescriptions which state quantities as a percentage have all entailed extra calculations in the pricing office, and the preparation of chemists' accounts has been correspondingly delayed. The standard of doctors' writing, says the report, was never high, and has steadily deteriorated during and since the war years.

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used for the purpose.

Milk Preservative.—*A.N.Z.*—In Great Britain the addition of any form of preservative to milk is prohibited by law.

Hair Lotion.—*M.C.C.*—The following is the formula you require.—

Ol. amygd. dulc.	...	...	ʒi
Lig. ammon. fort.	...	...	ʒi
Ol. rosmarini	...	...	min. L
Alcohol	...	...	ʒx
Ag. mellis	...	...	ad ʒxx

Bubble-making Solutions.—*E.M.*—Undoubtedly these consist of solutions of "soapless soaps," possibly thickened with Irish moss, but as the supply of the raw materials is at present inadequate for more utilitarian uses we think it unlikely that any of the reputable manufacturers would let you have supplies for the purpose.

Blue Hair-rinse.—*G.C.*—Dyes used for bleuing the hair after it has been bleached include methylene blue. This is available in two forms: as a chloride or double zinc chloride of tetra-methyl-diamino-diphenazethionium. For use on the hair, the form containing zinc should be avoided. The compound dissolves in water to give a blue solution. Only about one part to 50-100,000 parts of water is required to make a serviceable blue rinse.

Labelling of Disinfectant Cans.—*H.L.C.*—Regulations for the packing of poisons state that the containers must be impervious to the poison and sufficiently stout to prevent leakage arising from the ordinary risks of handling and transport. Carbolic disinfectants containing up to 60 per cent, w/w phenols, if packed in cans, are subject to labelling regulations, except that the words "Not to be taken" need not appear on the label.

Rinse for Dark Hair.—*T. F.*—The following is a formula for a rinse suitable for dark hair:—

Henna leaves (coarsely ground)	10
Alcohol	...
Water	...
Perfume	...
	44
	45.75
	0.25

Boil the water and, while it boils, add the henna leaves. Turn off the heat and allow the mixture to stand for four hours. Run through a strainer and add the alcohol and perfume.

DRUG DISTRIBUTION CONTROL SUSPENDED

As forecast in THE CHEMIST AND DRUGGIST (August 31, p. 283), nearly one hundred imported drugs have been removed from control of distribution under the Directorate of Medical Supplies. The following letter has been received from the Director:

I am directed to refer to the arrangements under which importers and distributors of imported drugs are required to obtain the Directorate's approval of their sales and to inform you that as a result of a recent review of the position the Department has decided to suspend the control of the distribution of the following imported drugs:—

Aloes, Cape	Hydrastis root
Aloes, Curaçao	Hyoscine
Aloes, Socotrine	hydrobromide
Almond oil (sweet)	Hyoscyamus
Araroba	muticus
Arecoline	Hyoscyamus niger
hydrobromide	Ichthammol
Amidopyrine	Isatin
Balsam copaiba	Jaborandi leaves
Balsam Peru	Jalap root
Balsam tolu	Leptandra root
Bayberry bark	Liquorice juice
Belladonna leaves	Liquorice root
Belladonna root	natural
Black cohosh	Liquorice root
Black haw bark	peeled
Calabar beans	Lobelia herb
Calumba root	Lycopodium
Camphor	Male fern
Cantharides	Mannitol
Carbromal	Mastic
Cascara bark	Menthol
Chaulmoogra oil	Methyl sulphonal
Chrysarobin	Nicotinic acid
Colchicine	Oestrone
Colchicum corms	Orris root
Colchicum seeds	Parathyroid dried gland
Creosote	Peptone
Creosote carbonate	Peach kernel oil
Diastase	Phenazone
Digitalin crystals	Piperazine
Ephedra herb	Pituitary, anterior lobe (dried)
Ephedrine alkaloid	Pituitary, posterior lobe (dried)
Ephedrine	Pituitary whole gland (dried)
hydrochloride	Podophyllum root
Ephedrine sulphate	Poppy seed oil
Eucalyptol	Potassium guaiacol-sulphonate
Ergot of rye	Progesterone
Gelsemium root	Phenobarbitone
Gentian root	Rhubarb root
Glycine (amino acetic acid)	
Grindelia herb	
Hamamelis leaves	
Hydnocarpus oil	

Sassafras bark	Succinic acid
Senna pods (Alexandrian)	Sulphonal
Senna leaves (Alexandrian)	Suprarenal cortex extract
Senega root	Thyroid dried
Scammony root	Theophyllin
Slippery elm bark	Trypsin
Squills, white	Wahoo bark
Stramonium leaves	Wild cherry bark
Styrax	Witch hazel, distilled extract

Until further notice, therefore, undertakings in respect of the sale and distribution of the imported drugs listed above will not be required and details of proposed sales need not be submitted for approval.

I am to add that the suspension of the control of distribution of certain imported drugs herein notified in no way affects the import licensing arrangements and it will still be necessary to submit applications to import the drugs to which this letter relates need not be submitted for approval.

CORRESPONDENCE

T.S.A. Penicillin Licences

Sir.—We were rather interested in your paragraph on Therapeutic Substances Act licences in THE CHEMIST AND DRUGGIST, September 7 (p. 289), as we hold a T.S.A. licence for penicillin which was issued to us on June 6, 1946, and the number of which is 74. On looking at a penicillin oil/wax suspension made by Allen & Hanburys, Ltd., we find that their licence numbers are 6 and 36. We are wondering how the Ministry of Health number their licences.

BASIL H. G. NEWTON.

Remuneration for N.H.I. Dispensing

SIR,—I note that the doctors have just received a post-dated increase in their National Health remuneration. It is explained that their expenses are nearly double. Are not the chemists' expenses also very much up? Cost of living is nearly double. When are we going to receive a long overdue increase in dispensing fees? If long and faithful service counts for anything with the State, and if a service which has never broken down deserves recognition, an increase is long overdue. Is there another contractor who works for the State at a near loss? — Yours faithfully,

Maldon, Essex. A. WALLIS.

[A note on remuneration appears on p. 369.]

OVERSEAS TRADE NEWS

Soap from Petroleum.—The Standard Oil Co. of California has announced the development of a new washing compound using petroleum as its basic material. The product is described as an all-purpose cleanser.

Argentine Sunflowerseed Crop.—A decline of 112,000 tons is shown in the third official estimate of the Argentine 1945-46 sunflowerseed crop. Production is now placed at 890,000 tons which compares unfavourably with the second estimate of 1,002,000 tons and last year's harvest of 985,100 tons.

New du Pont Factory.—The du Pont de Nemours Chemical Co. of America is to establish a new plant at West Toledo, Ohio, for the manufacture of chemical specialities, Reuter reports. Construction will begin when Government authorisation is received and material becomes available. Products will include waxes and polishes.

Canada's Trade in 1946.—The value of chemicals and allied products imported for consumption into the Dominion during the period January-June, 1946, amounted to \$46,802,000, compared with \$39,438,000 for the same period in 1945. Exports from Canada for the corresponding periods amounted to \$33,010,000 and \$67,503,000, respectively.

Milan Fair Reopens.—Reconstructed on a bombed site, Milan's International Fair was opened on September 15, for the first time since 1942, by Signor Enrico de Nicola, President of the Italian Republic, accompanied by the Italian Prime Minister. There was only one British exhibit, that of a Manchester oil refinery company in the chemical section.

China Tung Oil Prices.—The price of tung oil in the province of Szechwan, where a considerable portion of China's tung oil is produced, states a report from Nanking, has risen by 12,000 Chinese dollars to 50,000 Chinese dollars per picul, since the devaluation of the Chinese dollar on August 19. This is equivalent to an internal price of about £80 per ton.

Japanese Whaling Only "Temporary."—Mr. Joseph Chifley, the Australian Prime Minister, said recently that he had been informed that permission granted by General MacArthur, Supreme Allied Commander in Japan, to Japanese whalers to operate in the Antarctic was a temporary measure to assist in meeting Japan's food

needs. The Japanese would operate on a quota basis.

U.S. Oil Industry to Produce Insecticides.—Mr. George Krieger, of the American Petroleum Institute, speaking at a recent meeting of the U.S. Agricultural Insecticide and Fungicide Association, said that the oil industry expects to become a major factor in protecting farm crops. "While investigation was not yet complete," said Mr. Krieger, "through the catalytic cracking of crude oil, we are producing a wide variety of new toxic compounds to destroy various insects, weeds, fungi and enemies on the farm."

Batavia Rubber Situation.—Of the 6,250 acres of the Netherlands East Indies Government-owned rubber estates in South-west Batavia, 500 acres are now in production with a daily output of between 900 and 1,100 lb., according to reports from Batavia. Part of the plantation area comprising these estates, however, is outside the Allied perimeter. It is expected that another 2,500 acres will be brought into production by the end of this year. More than sufficient labour is available to work the estates.

Lever Bros. in Transvaal.—Reuter reports that buildings and plant to the value of £1½ million, which will absorb at least 1,000 workers, are to be constructed by Lever Bros. (S.A.), Ltd., in Boksburg East, which is an industrial township in South Africa. The undertaking when completed will produce toilet preparations and perfumes, oxygen and hydrogen, soaps and other detergents, washing soda, grease, glycerin, and other products; and will express and extract oils from oil-bearing seeds; harden, process and refine oils and fats, etc.

India Relaxes Import Restrictions.—According to a recent report from New Delhi, the Government of India has issued a universal open general licence which relaxes the import restrictions from any country for certain products of interest to the drug trade, including gum arabic, copra, coconuts, cashew nuts, tallow, saccharin, dyeing and tanning substances, hops and cinchona bark. The licence also covers plumbago, graphite and metallic ores (other than antimony ore), ochres and other pigment ores. The Government intends to bring more items under the licence.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex St., W.C.2, September 18

THE official list of drugs and chemicals on which control of distribution has been suspended, has now been received from the Directorate of Medical Supplies, and is given in full on p. 377. As forecast in these columns the list contains the names of nearly one hundred drugs and its effect will be greatly to ease conditions in the CRUDE DRUGS markets. (See editorial comments, p. 369). In almost every section of the PHARMACEUTICAL CHEMICALS markets manufacturers are maintaining their prices at former levels despite gradually increasing production costs. Only one important change has been notified during the week, viz., an advance in the selling prices of GLYCERIN as the result of higher costs of materials and labour. The new schedule is given on p. 381.

Crude Drugs

Most reports from these markets agree that the past week has been exceptionally quiet, but it is likely that more active conditions will soon prevail as the result of seasonal demand. Prices of crude drugs mostly remain at about the levels recently recorded but a few items show minor changes. The position with regard to AGAR is unchanged with no indication of future supplies from Chinese or Japanese sources. Curaçao ALOES continues in good inquiry. BENZOIN is now available on the spot and it is understood that a fair business is passing in this material. Some Chinese CAMPHOR of B.P. quality may now be obtained on the spot. Considerable quantities of new season's CASCARA SAGRADA are reported to have arrived. Generally quiet conditions are ruling on the market for CLOVES and other spice products. COLOCYNTH continues to sell slowly at unchanged figures. Business in ERGOT continues to be restricted in volume. No change has occurred in prices of Brazilian MENTHOL but it is reported that Chinese may now be obtained on the spot at a price comparable with that quoted for the Brazilian product. Considerable request has been received for RHUBARB, supplies of which appear to be adequate for all consuming requirements; prices of this item appear to vary considerably according to holder and quality. Very firm conditions obtain for STROPHANTHUS SEED. WAXES are generally quiet.

Essential and Expressed Oils

Very little change has occurred in these markets during this week, with no further additions to the list of decontrolled ESSENTIAL OILS. The official schedule of prices for controlled FIXED OILS is unchanged.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	Sept. 18
*Alexandria ...	Piastres to £	97 $\frac{1}{2}$ -97 $\frac{5}{8}$
Amsterdam ...	Florins to £	10.68-10.70
*Bombay ...	Pence to rupees	1-5 $\frac{1}{2}$ -1-6 $\frac{1}{2}$
Brussels ...	Francs to £	176 $\frac{1}{2}$ -176 $\frac{3}{4}$
Copenhagen ...	Kroner to £	19.32-19.36
Dutch East Indies	Florins to £	10.68-10.70
Dutch West Indies	Florins to £	7.58-7.62
*Hong Kong ...	Pence to \$	1-2 $\frac{1}{2}$ -1-3 $\frac{1}{2}$
Oslo ...	Kroner to £	19.98-20.02
Paris ...	Francs to £	479.7-480.3
Lisbon ...	Escudos to £	99.80-100.20
Montreal ...	Dollars to £	4.02-4.04
New York ...	Dollars to £	4.02 $\frac{1}{2}$ -4.03 $\frac{1}{2}$
Rio de Janeiro ...	Cruz to £	75.44-16
*Singapore ...	Pence to \$	2-4.0-2-44
Stockholm ...	Kroner to £	14.47-14.50
Zurich ...	Francs to £	17.34-17.36

* Free market rates.

U.S. Drug and Chemical Report

New York, September 13

THE FINE CHEMICAL export trade has been brought to a standstill by labour difficulties, although domestic deliveries of medicinals and prescription items are continuing. A more active demand for general prescription lines has been noted on the market, due to seasonal influences. As a result of the establishment of a new, higher maximum price on gum turpentine, the trade expects an advance in selling levels for synthetic CAMPHOR in the near future. A recent petition to the O.P.A. for GLYCERIN price relief has not yet been granted and consequently, the material and its compounds continue to be exceedingly scarce on the market. The "Journal of Commerce" reports that about 2,000 drums of Indian glycerin have arrived here and are to go directly to a large consumer.

Quotations on MERCURY are again lower but the trade points out that considerably higher prices will come into effect in the next few weeks if reports that a Spanish-Italian syndicate is being formed are realised. A substantial tonnage of material is reported to have been shipped from Spain

for the American market while a recent consignment from Belgium is believed to have been scheduled for re-export. MENTHOL remains inactive; the trade is awaiting confirmation of reports that a considerable quantity of material is shortly to be shipped from China to the United States. There was an increased demand on the BOTANICAL DRUGS market during the week and the undertone strengthened considerably. The transport strike has halted deliveries of many items but certain essential drugs are moving out on schedule. Food and Drug Administration detentions are still the greatest problem to importers and are tending to force prices higher on many items received from abroad. The latest shipments of ERGOT from Portugal are said to have been packed in bags instead of airtight metal containers as required by U.S.P. regulations. Both BELLADONNA LEAVES and PSYLLIUM SEED are reported to be acutely short, a small quantity of the latter which recently arrived from France having been exhausted. It is expected that the supply of ALETRIS ROOT will be very limited during the coming season with a correspondingly higher price level coming into operation.

Featuring the ESSENTIAL OILS market this week was the automatic decontrol of PEPPERMINT and SPEARMINT, neither of these oils appearing on the September list of scarce materials which would keep the maximum prices in effect. Pricing of these oils has been very unsettled as a result. The transport strike is seriously affecting deliveries of both essential oils and aromatic chemicals while production of the latter is still curtailed by the shortage of materials and strike conditions at one large plant. The U.S. Department of Commerce states that the U.S. imported only 2,040 kilos of Paraguayan GUAIACWOOD during the first six months of the current year, compared with 5,060 kilos during the corresponding period of 1945. The value dropped from \$24,880 to \$9,837.

Tight conditions continue on the U.S. HEAVY CHEMICALS markets as a result of heavy demands and limited supplies. COAL-TAR production declined last week. PHENOL became tighter, while both crude and refined NAPHTHALENE were exceedingly difficult to locate in any quantity. Reports are circulating in trade circles here that a plan to import 30,000 tons of CREOSOTE OIL from the United Kingdom has been successfully completed, but, it is pointed out, demand for this material is far ahead of domestic production combined with visible

supplies from abroad. Production of SYNTHETIC ORGANIC CHEMICALS in the U.S. during 1945 was less than the previous year.

Pharmaceutical Chemicals

ACETANILIDE.—There are no changes in makers' prices. Powder, 2s. 5d. per lb., and crystals, 2s. 6d.

AMPHETAMINE.—Makers' price is unchanged at 150s. per lb.

ASPIRIN.—Home market prices per lb., in quantities of 28-lb.-1-cwt., are (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7-lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

ASPIRIN TABLETS.—Makers quote bulk supplies per 1,000 as follows: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

BISMUTH SALTS.—Makers' prices were recently advanced, as follows (containers in brackets): 7 lb. and under 14 lb., 14s. 2d. (1-lb.); 14s. 1d. (2-lb.); 14s. 0½d. (4-lb.); 13s. 11½d. (7-lb.); 14 lb. and under 28 lb., 13s. 11½d. (1-lb.); 13s. 10½d. (2-lb.); 13s. 10d. (4-lb.); 13s. 9d. (7-lb.); 13s. 8½d. (14-lb.), per lb. **CITRATE.** IS. 8d. per lb. over above prices. **SALICYLATE.** 3d. per lb. over above prices. **SUBGALLATE.** 3s. 11d. per lb. over above prices. **SUBNITRATE.** IS. 3d. per lb. over above prices.

BROMIDES.—No change in quotation for these products. **POTASSIUM**, in quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 10½d. (28-lb.). **SODIUM**, 1½d. per lb. less, and **AMMONIUM**, 1½d. per lb. more, than above prices. Prices are net, without engagement.

CHLORAL HYDRATE.—Current prices are as follows: 1 cwt., 2s. 10d. per lb.; 56 lb., 4s.; 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d., less, 5s. 3d.

DIAMORPHINE.—Prices per oz. are: **PURE**, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. **HYDRO-CHLORIDE**, ½ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d.

ETHYLMORPHINE.—Current rates per oz., in the home market, are: **PURE**, ½ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d. **HYDROCHLORIDE**, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

GLUCOSE.—Powdered monohydrate for the home trade is quoted as follows: 14 lb.-28 lb., in 14-lb. lots, 11½d. per lb.; 28 lb.-112 lb., in 14-lb. lots, 11½d.; 28-lb., 10½d.

GLYCERIN, B.P.—Makers announce an increase in selling prices as from September 16 by £5 per ton in returnable drums and by £11 10s. per ton in non-returnable tins and cases. The increases are due to higher costs of materials and labour. New prices per cwt. and terms are as follows:—

Containers	Quantities							
	1 cwt.		2½ cwt.	5 cwt.	10 cwt.			
	Under 1 cwt.	and under 2½ cwt.	and under 5 cwt.	and under 10 cwt.	and under 20 cwt.			
Tins:	s.	d.	s.	d.	s.	d.		
14-lb.	116	6	112	0	108	0		
28-lb.	113	6	109	6	105	6		
56-lb.	110	6	107	0	103	0		
Drums:								
1 cwt.	—	96	0	95	0	92	0	
2½ cwt.	—	—	—	93	0	90	0	
5 cwt.	—	—	—	—	89	6	88	6
10 cwt.	—	—	—	—	—	88	0	

1 ton and under 5 tons, 14-lb tins, 103s.; 28-lb tins, 100s. 6d.; 56-lb. tins, 98s.; 1-cwt. drums, 87s.; 2½-cwt. drums, 85s.; 5-cwt. drums; 84s. 6d.; 10-cwt. drums, 84s.; 5 ton and upwards, 14-lb. tins, 101s. 6d.; 28-lb. tins, 99s.; 56-lb. tins, 96s. 6d.; 1-cwt. drums, 85s. 6d.; 2½-cwt. drums, 83s. 6d.; 5-cwt drums, 83s.; 10-cwt. drums, 82s. 6d.. Containers are charged as follows: Drums, 1 cwt., 20s.; 2½-cwt., 60s.; 5-cwt., 75s.; 10-cwt., 100s. Tins and cases are free and not returnable. REFINED PALE STRAW INDUSTRIAL GLYCERIN is 5s. per cwt. less than B.P. quality. Terms: Carriage and delivery paid; discount, 2½ per cent. if paid in one month, or on buyers' regular monthly pay day in the month following delivery; afterwards, net. Drums loaned and invoiced at seller's current rates and credited in full if returned carriage forward in good condition. To be paid for if not returned within four months, and afterwards may be kept a further two months. If retained longer than six months, intrinsic value only allowed, but not exceeding two-thirds of the price charged.

IODINE PREPARATIONS.—Current rates per lb. are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 6d.; 28 lb., 10s.; 14 lb., 10s. 6½d.; 7 lb., 12s. 0½d.; 4 lb., 12s. 6½d.; smaller quantities, 13s. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 5d.; 14 lb., 10s. 1½d.; 7 lb., 12s. 8½d.; 4 lb., 13s. 4½d.; smaller quantities, 14s. 2d. IODOFORM, B.P.—28 lb., 13s. 7d.; 14 lb., 14s. 1½d.; 7 lb., 16s. 3½d.; 4 lb., 17s. 1½d.; smaller quantities, 17s. 1½d. IODOFORM CRYSTALS, 2s. per lb. above powder prices. IODINE RESUB-

LIMED, B.P.—112 lb., 10s. 1½d.; 28 lb., 11s. 5d.; 14 lb., 11s. 1½d.; 7 lb., 13s. 9½d.; 4 lb., 14s. 4½d.; smaller quantities, 15s. 1d.

LACTATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14 lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

MANDELIC ACID.—Demand continues. Current quotations are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

MORPHINE.—Prices per oz. current in the home market are: PURE, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d. BIMECONATE AND TARTRATE, as PURE; ACETATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

PHENOLPHTHALEIN.—Current prices are unchanged: 1 cwt. 4s. 10s. per lb.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.

POTASSIUM PERMANGANATE.—Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5-cwt. and over 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s.

PULV. BISMUTH. CO., N.F.—Current rates per lb. in the home market, in quantities of 28 lb.-112 lb., are as follows (containers in brackets): 2s. 9d. (1-lb.); 2s. 8d. (2-lb.); 2s. 7½d. (4-lb.); 2s. 6½d. (7-lb.); 2s. 6d. (14-lb.); 2s. 5d. (28-lb.).

SACCHARIN.—Powder, not more than 1 oz., £6 12s. SOLUBLE SACCHARIN, 19s. per oz. less, and DULCIN, powder, £6 per lb.

SANTONIN.—Quoted unchanged: 5 kilos, £44 per kilo; less than 5 kilos, £45; 1 kilo, £46; half-kilo, £47; quarter kilo £48 per kilo, carriage paid in U.K.

THEOBROMINE.—Prices per lb., in quantities of 28 lb., are as follows: ALKALOID, B.P.C., 30s. 6d.; CALCIUM SALICYLATE, 19s. 3d.; SODIUM SALICYLATE, 19s. 3d.

VANILLIN.—Prices unchanged. 5-cwt., 22s.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller parcels, up to 23s. 6d. per lb., as to quantity.

Crude Drugs

AGAR.—The position of this product remains unchanged. No information has been received on the London market regarding the possibility of supplies from China or Japan. The controlled price is 30s. per lb.

ALOES.—There are continued inquiries for Curaçao, limited quantities of which are stated to be available. Quotations are at 250s. per cwt., c.i.f. Spot, from 270s. to 290s. Cape, for shipment, 150s. per cwt., c.i.f.

ANTIMONY.—Business is fair at steady values. Minimum 99.6 per cent. regulus, £132 10s. per ton; minimum 99 per cent., £125; 70 per cent., crude, for the home trade, £105 per ton, delivered.

ARECA NUTS.—Market is quiet with values steady at 65s. per cwt. on the spot; shipment, 47s. 6d. c.i.f.

BALSAMS.—*Canada* is now quoted at 14s. 6d. to 14s. 9d. per lb., spot. *Peru*, duty paid, is at 8s.; in bond, 7s. 6d. *Copaiba* and *Tolu* are still unobtainable.

BENZOIN.—Quoted at £25 per cwt., on the spot. The forward position is unchanged.

BISMUTH.—The quotation for high-grade metal is steady at 9s. per lb., in minimum 5-cwt. parcels.

BUCHU LEAVES.—Business is quiet, with values unchanged at 4s. 9d. per lb., ex store.

CAMPHOR.—Chinese crude is offered on the spot at from 10s. 6d. to 11s. per lb. Material meeting the B.P. standard would be worth 11s. 6d. English synthetic, in limited quantities, is quoted at 8s. 3d. per lb.

CAPSICUMS.—East African on stalk, spot, 140s. per cwt.

CARDAMOMS.—Aleppy seeds, near at hand, are available at 8s. per lb.; Mangalore heavy are offered on the spot at 6s. 6d. per lb. Market continues quiet.

CASCARA SAGRADA.—Considerable quantities are reported to have arrived. Price quoted is 285s., landed, duty paid.

CASCARILLA.—Quills continue to be quoted on the spot at 2s. 9d. per lb. A fair inquiry is noted and some material is reported afloat.

CHAULMOOGRA.—*Hydnocarpus* may be obtained on the spot at 2s. per lb., in tins in cases.

CINNAMON.—Chips are quoted about steady from 1s. 11d. to 2s. per lb., ex store.

CLOVES.—More inquiries, but the market is quiet. Zanzibar, London, spot sellers at 11d. per lb.; afloat, 10½d.; shipment, September-October, 10d. per lb., c.i.f., buyers' licence.

COCHINEAL.—Market continues quiet with prices steady. Spot, silvers are quoted at 5s. 6d. per lb., and blacks at 5s. 9d.

COCOA BUTTER.—Price continues to be fixed at 1s. 5½d. per lb., ex factory or warehouse, except under licence.

COCONUT (DESICCATED).—The maximum controlled prices continues at 74s. 8d. per cwt., ex store.

COLOCYNTH.—Business is rather quiet; market steady. Good white pulp is quoted on the spot at 2s. 7½d. per lb.

DIGITALIS LEAVES.—Portuguese material is quoted on the spot at from 130s. to 140s. per cwt., ex store; English-grown, 2s. 6d. per lb.

ERGOT.—Business is still restricted in volume. Spot price is quoted at 6s. 9d. to 7s. per lb.

GALBANUM.—Supplies are quoted at 7s. 6d. per lb., in bond.

GINGER.—Steady. African, 82s. 6d. per cwt., ex store. Jamaician, No. 1, 140s. per cwt. c.i.f.

GUM ACACIA.—Market is quiet with quotations unchanged. Kordofan cleaned sorts, steady on spot at 75s. per cwt.; bleached, steady at 150s.; Talha, cleaned, 42s. 6d.

GUM GUIACUM.—Quoted at 7s. 6d. per lb., in bond.

GUM MASTIC.—Quotations unchanged for the limited supplies available. Spot, 18s. 6d. per lb.

HENBANE.—Business is quiet. Indian leaf, on the spot, 250s. per cwt.; Egyptian (*muticus*), 90s. per cwt.

JALAP.—The price of any available Vera Cruz material would be in the region of 3s. 3d. per lb., with a test of from 9 to 11 per cent.

KAMALA.—Material afloat is quoted at 3s. per lb., landed.

KARAYA GUM.—Business quiet with prices steady at 200s. per cwt. for No. 1 Indian gum on the spot.

KOLA NUTS.—Quiet. Quotations unchanged. African quarters, 8d. per lb.; African halves, 6d.; Jamaican washed halves, 7d.

LIQUORICE ROOT.—Nothing to report; values steady. Natural Anatolian, spot, 85s. to 90s. per cwt.; cut, 110s.

MENTHOL.—Conditions in this market remain quiet with prices steady at previously quoted figures. Forward price from Brazil is from 42s. per lb. f.o.b., and the spot price from 47s. to 50s. per lb. Some Chinese is reported available on the spot at 50s. per lb., duty paid.

NUTMEGS.—Prices nominal. West Indian, 80's, 5s. per lb.; sound unassorted, 4s. 9d. spot; wormy and broken, 4s. 6d.

NUX VOMICA.—Mangalore on the spot is quoted at 40s. per cwt.; Cochin, spot, 45s. per cwt.; shipment, 39s., c.i.f.

ORANGE PEEL.—Business quiet, prices unchanged. Spanish quarters are at 2s. 9d. per lb., and sweet ribbon at 2s. Fine-cut Tripoli would be worth 4s. 9d. to 4s. 10½d. on the spot.

PAPAIN.—East African is quoted on the spot at 23s. per lb.

PEPPER.—Maximum controlled prices are unchanged. Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white pepper and 1s. per lb. for black pepper. Picked over and cleaned, 1s. 8d. and 1s. 2d. per lb., respectively. Lampong black, September-October shipment, 2s. 0½d. per lb., c.i.f., sellers; white Muntok, September-October shipment, 2s. 4d., c.i.f., sellers.

PIMENTO.—Market is quiet. Spot, 1s. 1½d. per lb., sellers; shipment, 122s. 6d., c.i.f., buyers' licence.

QUILLIAIA BARK.—Quotations are unchanged. Natural bark, spot, is about 125s. per cwt.; cut, at about 150s., ex store.

RHUBARB.—The demand for this product continues to be fairly keen, but prices appear to vary considerably according to holder and quality. Common-round is quoted at 11s. per lb. for two-thirds pinky fracture to 13s. per lb. for high quality material.

SEEDS.—**ANISE** (*Star*).—Chinese, 190s. per cwt., ex warehouse London. **CORIANDER**.—Spot, Morocco, 85s. per cwt.; Indian, 90s. per cwt., ex wharf London. **CELERY**.—Spot, Indian, 1s. 6d. per lb., ex wharf London or Liverpool. **CUMIN**.—Spot, Indian, nominal 22s. per cwt.; Morocco, 210s. **DILL**.—Spot, Indian, 67s., ex wharf London; 65s. quoted ex wharf Liverpool. **FENNEL**.—Spot, Indian, 160s. ex wharf London or Liverpool. **FENUGREEK**.—Spot, Indian, 65s., ex wharf London.

SENEGA.—Canadian material is offered at 14s. to 15s. per lb., landed London. American material is reported to be offering at

11s. 6d. per lb., c.i.f. Duty is 10 per cent. on this material.

STROPHANTHUS SEED.—Very firm market with 100 per cent. Kombé seed quoted at 7s. 6d. per lb.

TRAGACANTH.—Business is quiet with prices steady. Selected grades are quoted at £155 per cwt. Prices of medium grades are as follows: No. 1, white, £145 per cwt.; No. 2 white, £125; No. 3 white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Madras finger, on spot, remains steady and unchanged at about 95s. per cwt., ex wharf London, and 92s. 6d., ex store Liverpool.

VALERIAN.—Belgian root is quoted at about 245s. per cwt. on spot.

WAXES.—Market remains quiet. **CARNAUBA**.—Fatty grey, spot, 1,040s. per cwt.; chalky, 1,000s.; prime yellow, 1,200; fatty grey, afloat, 1,015s.; prime yellow, afloat, 1,150s.

BEES'.—Quoted as follows: Dar es-Salaam, spot, 340s. per cwt.; shipment, 340s., c.i.f.; Benguela, spot in bond, 315s.; shipment, nominal, 295s.; Sudanese, 315s. on the spot, in bond; Lindi, spot, 337s. 6d.; shipment, 335s. **OURICURI**.—Spot, nominal; shipment, September-October, 6 per cent., 620s.; c.i.f. **CANDELILLA**.—Spot, 490s. per cwt.; to arrive, 490s. landed.

Essential and Expressed Oils

CASTOR.—The controlled prices for the period ending September 28 are as follows: "Firsts," £110 per ton; "seconds," £108, naked, ex works.

CLOVE.—Quotations from English distillers of bud oil are unchanged at 12s. per lb.

COCONUT.—Quotations for crude oil are £49 per ton; refined deodorised, steady at £56. Refined hardened deodorised, £60.

COTTONSEED.—Official quotations are as follows: Crude, £52 2s. 6d. per ton; washed, £55 5s.; refined edible, £57; refined deodorised, £58, naked, ex works.

GROUNDNUT.—Bulk supplies are officially quoted as follows: Refined deodorised, hardened to 40°, £62 per ton; refined deodorised, hardened to 50°-52°, £63.

LINSEED.—The official price for the period ending September 28 is £135 per ton, naked, ex works.

TRADE MARKS

(From "The Trade Marks Journal," September 11)

- Fountain design; for drugs being chemical substances used in industry; chemical products used in science, photography, agriculture, horticulture and forestry (other than fungicides, insecticides and preparations for killing weeds) (1); for toilet preparations (not medicated) for cleaning the mouth and teeth; scouring, polishing, brushing and cleaning preparations, none of the aforesaid goods being saponaceous; wax preparations for cleaning, polishing, laundry and toilet purposes (3). By Commanditaire Venootschap Chemische Fabriek Rids, Middenhavensstraat, 36, IJmuiden, Netherlands. 640,369-70 (Associated).
- "CLUB LIFE"; for toilet preparations (not medicated) and cosmetic preparations (3). By Antoine Chiris, Ltd., 58 Brook Street, London, W.1. 641,677.
- "ZAM-BUS"; in distinctive lettering; for medicated soap and toilet powder (not medicated) (3). By C. E. Fulford, Ltd., 58 Carlton Cross Street, Carlton Hill, Leeds. 641,639 (Associated).
- "VIVATONE"; for toilet preparations (not medicated), but not including preparations for the hair or soap (3). By Hubert Arthur Brockwell, 156 Leagrave Road, Luton, Beds. 640,573 (Associated).
- "LUI-ELLE"; for perfumery, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, soaps and essential oils (3). By R. Demuth, Ltd., 68 Salusbury Road, London, N.W.6. 641,372.
- "ATTENTE"; for perfumery, toilet preparations (not medicated), cosmetic and depilatory preparations, dentifrices, toilet articles (not included in other classes), sachets for use in hair-waving, soaps and essential oils (3). By Parfums Verlayne, 9 Rue du Faubourg, Paris. 641,325.
- "3 GRACES" (3 disclaimed); for toilet preparations (not medicated) and cosmetic preparations (3). By H. S. Whiteside & Co., Ltd., Parkhouse Works, Parkhouse St., London, S.E.5. 641,320.
- "BELOGEN"; for detergents for washing dishes and for the like purposes (3). By Deosan, Ltd., 345 Gray's Inn Road, London, W.C.1. 641,287.
- "OVO-SOL"; for bleaching preparations and other substances for laundry use; cleaning, polishing, scouring and abrasive preparations; soaps; perfumery; essential oils for perfumery; toilet preparations (not medicated), cosmetic and hair preparations, dentifrices (3). By Kay & Kay, Ltd., 30-31 Richardson Street, London, S.E.1. 640,814.
- "L'ORANGERIE"; for bath salts, talcum powder, face powder and cream, all being non-medicated toilet preparations; dentifrices, lipstick, soaps, perfumes, brilliantine and hair lotions (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. B640,619.
- "En ATTENDANT" and "TENDANCE"; for toilet preparations (not medicated) cosmetic preparations, perfumes and soaps (3). By Bruyere-Parfums, 22 Place Vendome, Paris, France. 639,136-37.
- "FIXODEN"; for toilet fixative powders, for artificial dentures (3). By Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool. 639,095.
- "IBCO HOME HELPS" with device of house and circle (words Home Helps disclaimed); for cleaning, polishing, scouring and abrasive preparations; detergents, bleaching preparations and other substances for laundry use; soaps (3). By A. Ibbetson & Co., Ibc-Co Works, Great North Road, Stevenage, Herts. 638,443 (Associated).

"MIRACULIN"; for perfumery, toilet preparations (not medicated), cosmetic and depilatory preparations, dentifrices, toilet articles (not included in other classes), sachets for use in hair-waving, soaps and essential oils (3). By Miraculin, Ltd., Hove Park Laboratories, Hove Park Villas, Hove, 4, Sussex. 638,710 (Associated).

"JEYES"; for soap, scouring and abrasive preparations, toilet preparations for the hair and teeth, detergents, ammonia for domestic purposes (3); pharmaceutical preparations for human and veterinary use, disinfectants, antiseptics, germicides, fungicides, insecticides, weed killing preparations, deodorisers; vermin, slug and snail destroying preparations; medicated toilet paper (5); atomisers and powder blowers, being hand tools for killing insects (8); toilet paper (not medicated); paper towels (16); liquid soap dispensers; toilet paper holders (21). By Jeyses' Sanitary Compounds Co., Ltd., Richmond Street, Plaistow, London, E.13. 632,481-83,84,85,86.

APPLICATION AMENDED AFTER ADVERTISEMENT.
Specification 640,451, by Roussel Laboratories, Ltd., should be altered so as to read "Pharmaceutical preparations for use in the vascular treatment of thrombosis and phlebitis."

COMING EVENTS

Tuesday, September 24

LEICESTER BRANCH, NATIONAL PHARMACEUTICAL UNION, Royal Hotel, Leicester, at 7.30 p.m. Meeting.

WEST HAM ASSOCIATION OF PHARMACISTS, and BRANCH, Stratford Church Institute, 27 Romford Road, London, E.15, at 7.30 p.m. Brains trust, and social evening.

Wednesday, September 25

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Sheffield Metallurgical Club, West Street, Sheffield, at 7.30 p.m. Annual meeting.

NEWCASTLE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Kinnaird Hall, 3 Savile Place, Newcastle, at 3.30 p.m. Miss N. Balls, J.P., on "A 2,000-Mile Tour in Sweden."

Thursday, September 26

NEWCASTLE BRANCH, PHARMACEUTICAL SOCIETY, Crown Hotel, Clayton Street, Newcastle-on-Tyne, at 7 p.m. Mr. G. H. M. Graham, M.P.S. (vice-chairman, National Pharmaceutical Union), on "Dispensary Layout."

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Dr. B. A. Young (a member of the Pharmaceutical Society's Council), on "Twenty-five Years of Insulin Treatment."

BEDFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, George Hotel, Luton, at 7.15 p.m. Mr. Woodhall (Allen & Hanburys, Ltd., London, E.2), on "Modern Surgical Instruments."

MEDWAY BRANCH, PHARMACEUTICAL SOCIETY, King's Head Hotel, Rochester (near cathedral), at 7.30 p.m. Dr. R. Clitherow, M.P., on "The Pharmacist—His Prospects Now."

MANCHESTER PHARMACEUTICAL ASSOCIATION, JUNIOR BRANCH, Manchester Geographical Society's Hall, Manchester, at 7.30 p.m. Ministry of Information film show.

Sunday, September 29

MANCHESTER PHARMACEUTICAL ASSOCIATION, Ramble to New Mills, Disley, and Poynton. Meet at London Road station, 9.40 a.m. Book New Mills return.



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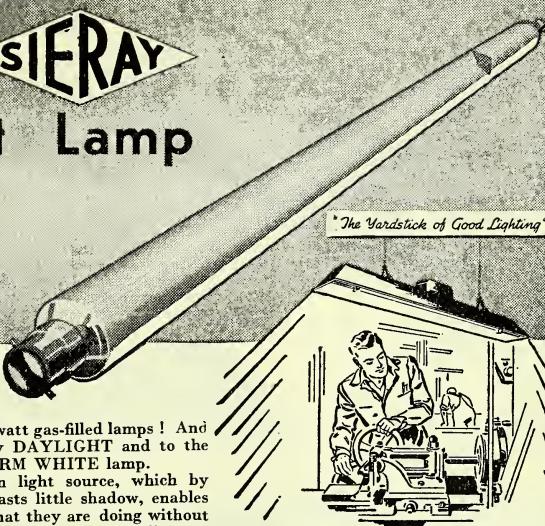
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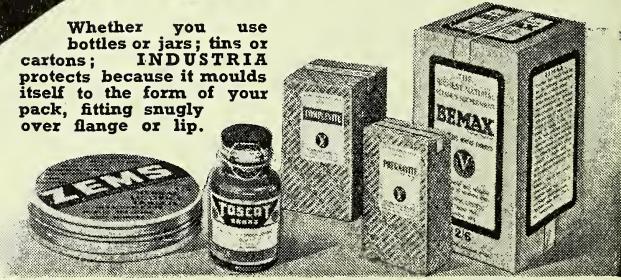
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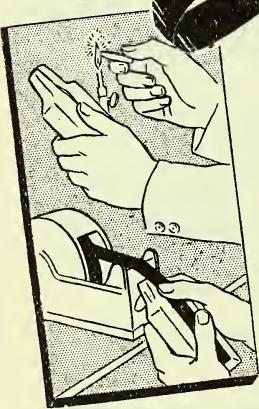
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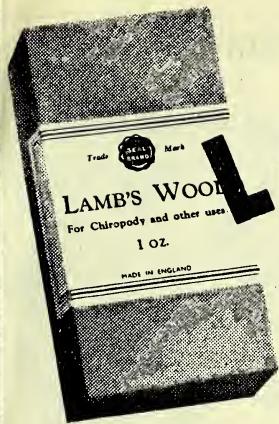
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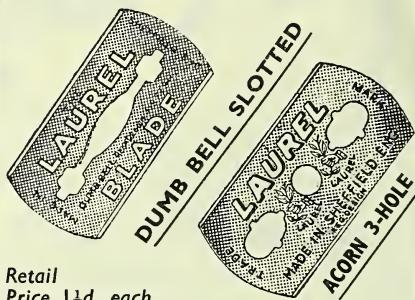
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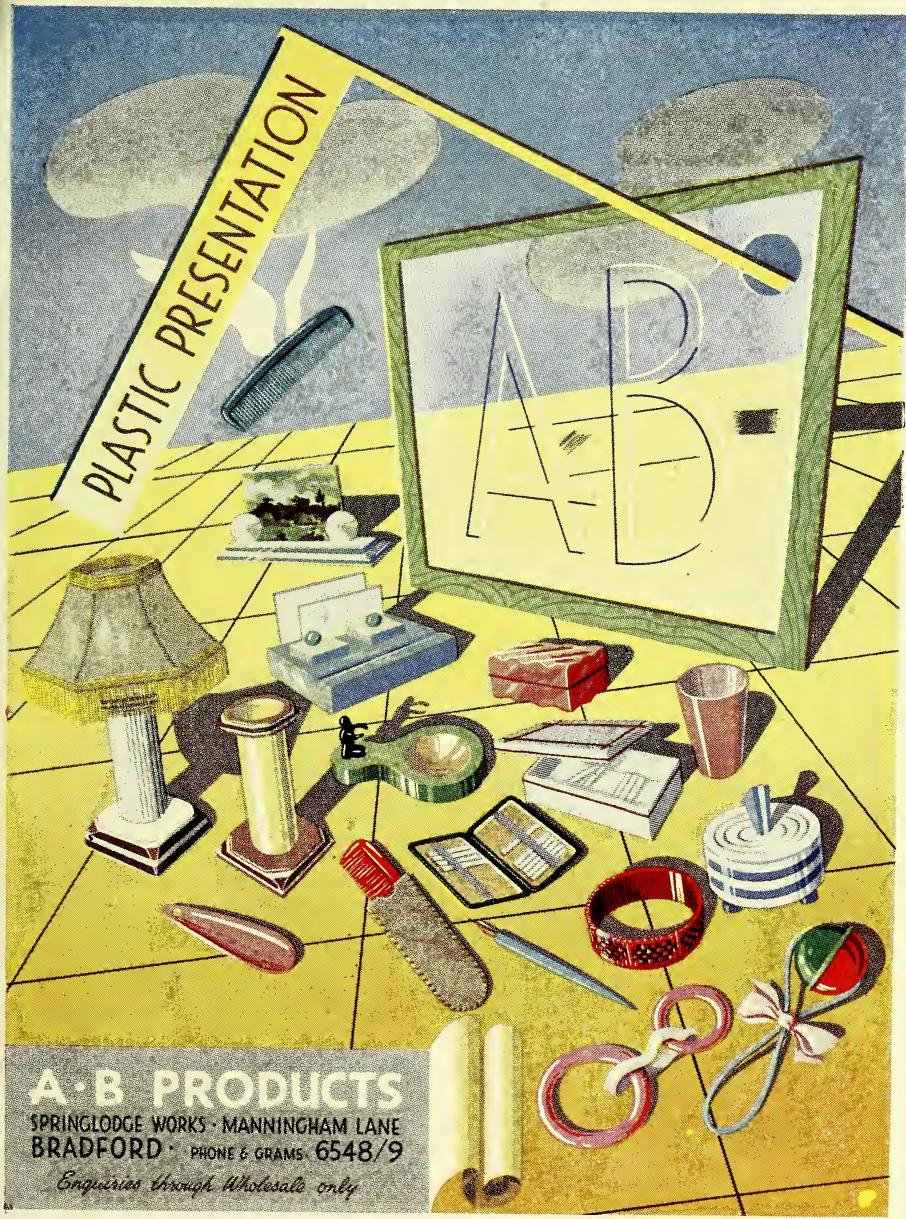
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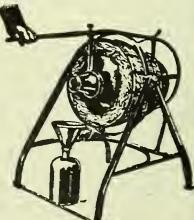
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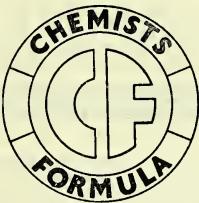
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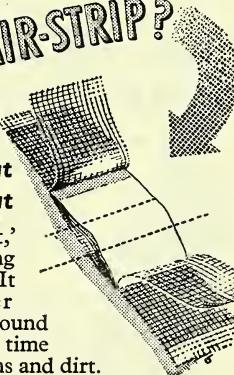
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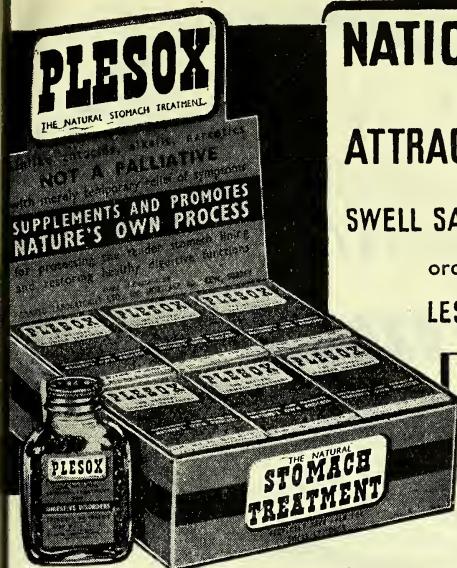
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OXFORD WORKS,
 LTD.
 No. 20 St. Ebbes Street,
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The above premises have been entirely released from Government occupation, and are in a position to carry out all types of photographic work such as developing, printing, enlarging and copying for the trade, in addition to commercial and industrial photography in the Oxford and London districts.

All enquiries will receive prompt attention.
 Please write : WILL R. ROSE Ltd.
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Sole Distributors : Splendor Ltd., London & Nottingham

IMMEDIATE DELIVERY TOILET ROLLS AND SANITARY TOWELS

Please write and state whether Wholesale or Retail Trade, also if you are registered for Purchase Tax.

THE WOKINGHAM CREPE PAPER CO
 64 Easthampstead Road, Wokingham, Berks



Your Sloan's Order

should be in our hands without delay—you can rely on a large demand this coming winter for SLOAN'S—the well-advertised, reputable, RELIEF-WITHOUT-RUBBING liniment.

TERMS (to retail chemists only)
SLOAN'S LINIMENT P.A.T.A.

2/- per bottle (inclusive of tax)
6 doz. at 15/3 per doz. plus 2/8 tax
12 doz. at 14/9 per doz. plus 2/8 tax

WILLIAM R. WARNER & CO., LTD.,
POWER ROAD, CHISWICK, LONDON, W.4.
Sole distributors for Dr. Earl S. Sloan Ltd.

SLOAN'S LINIMENT

P.A.T.A.

RHEUMAGIC

The PAIN KILLER

Strenuous work tends to increase the incidence of Rheumatism, Lumbago and similar ailments.

Rheumagic has proved its ability to give relief from pain and enables many sufferers who would otherwise be confined to the house to continue at their work.

Rheumagic makes no claim to cure Rheumatism and allied ailments. Its purpose is to relieve suffering, and by doing so speedily and effectively it makes a definite contribution to the National effort. Moreover, Rheumagic gives a guarantee of full satisfaction or money back.



Rheumagic

Brand

FORMULA OILS P.A.T.A.

Retail Prices 1/5 and 3/4½ per bottle (inc. Pur. Tax)

INTERNATIONAL LABORATORIES, 1/3 Smedley Street, London, S.W.8



MISCELLANEOUS OPPORTUNITIES

Gums; Waxes, "Spermaceti" etc.
Essential Oils; Lanoline; Petroleum Jelly;
Stearic Acids; French Tales; Calamine;
Lactic Compound; Triethanolamine;
Genuine Lonol Alcohol Sulphonate.
All Fine and Heavy Chemicals.

HOME and EXPORT

J. J. VIGON & CO., LTD.
30 Fenchurch Street, London, E.C.3.
Mansion House 2034/5

Sole selling rights of new lines wanted by large distributing house with sales force covering Great Britain. Lines must be suitable for Chemists, Ladies' Hairdressers and Stores. Advertising campaign will be considered for right lines. Details to British & International Proprietaries, Limited, 30, Budge Row, London, E.C.4.

HARRINGTONS
BRAND
ASPIRINS
EXCEPTIONAL PROFIT
EXCLUSIVE PACK
LONDON OFFICE: 2 BERRIDGE Grn. EDGWARE

EXPORT MARKET

PERFUMES SUITABLE FOR
BAZAAR TRADE, ALSO OINTMENTS,
SHAVING CREAM, ETC.

Details and quotations on application to—
Harman Dietetic Laboratories
LIMITED
109, CRICKLEWOOD BROADWAY, N.W.2

CARTONS

Send your enquiries for all sizes of New and Second-hand Cartons to us. We have one of the largest stocks in the country. By the same token, if you wish to clear your redundant stocks of any types of Packagings, such as Cartons, Skillets, Inners, Platforms, Wrappings, Offcuts, etc., etc., please send us details of quantities and prices required, with samples where practicable.

CARTON SALVAGING COMPANY
Government Contractors,
206/210, Bishopsgate, London, E.C.2.
Phone: BISHOPSGATE 4707 Grams:
Barlinco Ave London (4 lines)

FOR SALE!

1 dr. 2 dr. 4 dr. and 2 oz. Bottles;
1 oz. and 2 oz. squat white flint Jars
Quantities Available from 5 gross upwards
only

ADA & Co. (London) Ltd. 7, Dawson Rd., N.W.2.

AMBROSIA
Hairpins

2" BRONZE. Retail 6d. per pkt.
63 in pkt.) Price 16 pks. 4/8d.
including P. Tax. Wholesale &
Export Enquiries Invited.

**PRE-WAR
WRAPPINGS**

Keenedge Ltd.
18, Waltham Avenue,
London, N.W.9.

Limited supplies of genuine best quality natural perfumes also natural by-products from edible oils suitable for highest cosmetic manufacturers. Apply for full particulars and bulk samples immediately to—120/813 C. & D. Office.

LIPSTICK CASES—Assorted Colours—Cardboard Push-up, 3/9 per doz.; Plastic Screw-on, 12/- per doz.; Metal Propellor, 15/6 per doz.
(Purchase Tax 100%)

LIPSTICK REFILLS—“TRYST,” Creole, Red Velvet, Passion, Flame, 12/- per doz.
(Purchase Tax 100%)

POWDER COMPACTS—Imitation Leather, with puff, 35/- per doz.; Silk covered, with puff, 35/- per doz.; Imitation leather, with filter, 6/- each; Metal Decorated, with filter, 8/4 each; Metal Plain Colours, with inner lid, 10/- each.
(Purchase Tax 100%)

Send for full Price List
CLEMROW TRADING CO., LTD.
33, Ivor Place, Baker Street, N.W.1

FOR SALE!

200,000 NEW CARTONS
SIZE 6 $\frac{3}{4}$ " x 5 $\frac{1}{2}$ " x 4 $\frac{1}{4}$ ", at £6 per 1,000

THE LIVERPOOL PACKING CASE CO., LTD.
Tel. CEntral 9102/3. 67, LORD ST., LIVERPOOL 2

Following Surplus Articles for Sale

- 110,000 Aspirin Tablets
 - 56 lbs. Acid Anilid
 - 2 cwt. Benzoic Acid
 - 5 cwt. Calcium Lactate
 - 3 lbs. Coumarin
 - 14 cwt. Gum Karaya No. 1
 - 2 cwt. Hexamine Fine Crystals
 - 40 lbs. Oil of Lemon Sicilian
 - 350 lbs. Terpenolene
 - about 400,000 small folding cartons
- Buyers write Box No. 122/891

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

SEPTEMBER 21
1946

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

RETAIL (HOME)

ASSISTANT required. Apothecary Hall or Unqualified, male or female for dispensing and counter. Full particulars as to age, experience and salary required. Vincents, Chemists, 22 Herbert Road, Plumstead, S.E.18.

BOUROUGHBRIDGE, Yorks. Lady, qualified or unqualified for brisk country business. Easy hours. Pleasant district. Permanency if suitable. Please give full particulars with copies of references and state salary required. Moore, Chemist, Boroughbridge.

BRISTOL. Qualified Manager for Branch business. Sound credentials, good hours, and salary according to experience and ability. Apply to: Secretary, E.N.T. Co., Ltd., 431 Gloucester Road, Horfield, Bristol, 7.

CHEMIST requires assistance pricing stockbooks. Qualified or unqualified. Temporary 3/4 months. London. Apply 119/759, C. & D. Office.

ELDERLY Qualified Assistant wanted for a good class business. State experience and salary required, etc. Photo if possible. Williams & Smith, Chemists, Horsham, Sussex.

DURHAM COUNTY. Excellent opening is offered to recently qualified Pharmacist (either sex) as manager in old-established Privately owned Pharmacy. Valuable opportunity for experience in all branches of the business. Good salary. Phone: Ryhope 259. Iley's, Ltd., Ryhope, Sunderland, Durham.

HAMPSTEAD, opposite Swiss Cottage Station, Bakerloo. Wanted unqualified assistant mainly for counter but must have had dispensing experience. Full details of age, experience and salary in first letter or phone Primrose 0332. Sangster & Co., 2 College Crescent, N.W.3.

LONDON Co-operative Chemists Limited require the services of several pharmacists for Branch Managerial positions in the London area. The positions offer scope, security of tenure and a pension. Will interested pharmacists, both those in the Forces shortly to be demobilised, and those looking for progressive positions, apply to: Superintendent Chemist, 54 Maryland Street, Stratford, E.15.

ORIDGE & COMPANY Employment Agency, Columbia House, Aldwych, W.C.2. Chancery 6446-7. Branches at Southampton and Birmingham. Enquiries invited from Pharmacists and Unqualified persons requiring situations. Many attractive vacancies available. Excellent opportunities existing in progressive permanencies. Locums provided for. No charge to employees except registration fee. Apply to Columbia House in first instance.

PART-TIME position required by qualified Assistant, experienced retail or wholesale. 122/838, C. & D. Office.

PHARMACIST Manager, South-West London Branch. Working class area. Living accommodation available. Permanency. Apply 121/824, C. & D. Office.

QUALIFIED Assistant required (either sex). No Sunday or half day duties. Permanent position. Apply: Co-operative Society, Ltd., Stamford Street, Ashton-under-Lyne, giving full particulars regarding age, experience.

QUALIFIED Assistant required to take charge of Branch, with a knowledge of good-class dispensing, toilet and photography business. No living accommodation. Good scope for initiative in well-established business. Three assistants. Permanency. Apply Box 122/862, C. & D. Office.

QUALIFIED Assistant wanted for shop in central London. Salary £10 10s. per week. Apply, with full particulars, to Box 121/857, C. & D. Office.

QUALIFIED, for busy shop near the City of London. Good wages and hours. Write with full particulars to 119/781, C. & D. Office.

QUALIFIED man or woman required for good working class business, south coast, near Brighton. Good comfortable position. Excellent bus services. Accommodation found if desired. Write particulars 122/863, C. & D. Office.

TURNER & SONS (Cambridge), Ltd., require a lady or gentleman pharmacist to act as manager. No Sunday or half day duty. Apply stating age, experience and wages required to: 36 Trinity Street, Cambridge.

TWO capable and reliable men wanted, one qualified, one unqualified for branch pharmacies London suburbs (Leyton-Stratford area). Good salaries and further opportunities offered to keen, conscientious workers. Comfortable positions, no Sunday or holiday duties. Full particulars, please, to Box 122/877, C. & D. Office.

URGEANT. Qualified assistant required immediately for small West Wales seaside town. Apply stating salary required. Suit newly qualified, either sex. Apply D. A. Davies, Chemist, Newport, Pembrokeshire.

UNQUALIFIED Assistant with good all round experience for busy pharmacy in Battersea district. Permanency with good prospects. State age, particulars of experience and when at liberty. Box 122/880, C. & D. Office.

WESTON-SUPER-MARE. Wanted, young male qualified assistant. Single. Suit newly-qualified or ex-Service seeking experience. Reply giving age, references, salary required, to F. Bessell, M.P.S., Milton Pharmacy, Weston-super-Mare.

WEST HARTLEPOOL. Vacancies occur for two pharmacists (male or female) capable of taking charge of a branch—one vacancy would suit newly qualified person. Exceptional opportunity for experience in busy good class store pharmacy. Give usual particulars and salary required to: Hartlepool Co-operative Chemists, Ltd., West Hartlepool.

YORK Co-operative Chemists' Society invite applications from pharmacists for a vacancy as qualified assistant in busy main shop. Would suit newly qualified person wishing to gain experience in Co-operative pharmacy. Hours of duty 8 a.m. to 5 p.m. No Sunday or half day duties. Permanent progressive position. Apply giving full details to the Secretary, 22 Railway Street, York.

YOUNG Lady Dispenser (Hall)-Receptionist wanted by firm of South London Practitioners for duties at second surgery. Apply in first instance, with particulars, to 42 Streatham Hill, S.W.2.

WHOLESALE

APPLICATIONS are invited from youths for work in the process laboratories of a fine chemical factory in the Surrey district. The work provides an excellent training in organic synthesis and every encouragement is given to the selected candidates to pursue their studies. Apply 120/820, C. & D. Office.

ASISTANT required by Company of manufacturing chemists (N.W. London). Academic qualifications unnecessary, but previous experience in manufacturing processes essential. 5-day week. Application with details to: Box 122/871, C. & D. Office.

ASISTANT Chemist required in the laboratory of an old-established company (non combine) in London area, manufacturing high-class perfumery and toiletries. Five day week. Only those having experience in these lines will be considered. Written applications only, giving full particulars of education, experience, age and salary required. Box 122/866, C. & D. Office.

ASISTANT Tabletter wanted by manufacturing chemists in West London. Good wages; five-day week. Accommodation for single man provided near factory if needed. Write stating experience and wages required, to Box 272, Smiths', 100 Fleet Street, E.C.4.

BIOSAN Products require representatives calling on chemists, hairdressers, and stores to carry Shampoo Sheen cream as additional commission line. Other lines if desired. Details of territory and frequency of calls to Biosan Products, 432 Garratt Lane, S.W.18.

BUYER (male or female). Leading firm of manufacturing chemists in Midlands, producing national leading lines of toilet preparations and proprietary medicines, requires assistant buyer. Good salary with prospects of quick promotion to chief buyer. Applicant must have sound practical experience in this or similar business. State in reply full details of experience, age, etc. Box 123/895, C. & D. Office.

CHIEF Chemist required for leading firm pharmaceutical and cosmetic manufacturers. London area. Highly qualified, experienced man to take responsibility for new product research, manufacturing, buying and testing of raw materials. Two qualified assistants. Commencing salary according to experience £1,200 to £1,500 with excellent prospects. Write fully, stating age, posts held, etc. Box 123/897, C. & D. Office.

CHIEF Chemist wanted, highly qualified and fully experienced in all cosmetic lines, pharmaceutical experience an advantage. Old established progressive house (London area) planning expansion. Two qualified assistants. Required take responsibility for production, buying and testing raw materials but principally new product research. Commencing salary as much over £1,200 as necessary to attract the best man, plus bonus on results in due course. Write in confidence, stating age, post held, etc. Box 122/865, C. & D. Office.

COASTING and Record Clerk with experience in chemical trade required by manufacturing chemists in West London. Write Box 274, Smiths', 100 Fleet Street, E.C.4.

ELI LILLY & COMPANY, LIMITED, require pharmacists to act as representatives in the following territories: (a) Sheffield; (b) Chester; (c) Birmingham; (d) South Coast. The positions offered are progressive and offer scope for men of ability. Previous travelling experience is not essential. Applicants, preferably resident in these areas and who should not be over 35 years of age, should send particulars to Eli Lilly & Company, Ltd., Basingstoke, Hants.

EXPORT Sales Correspondent required in Dublin by British manufacturing chemists. Must possess intimate knowledge shipping and import formalities. Ability to act on own initiative and develop U.S.A., Canada and South America trade. Write fully, giving references, age, languages, and salary required to Box 122/890, C. & D. Office.

FIRST-CLASS SALES REPRESENTATIVES required by progressive manufacturing and distributing company handling only first-class nationally advertised products, selling to chemists and allied trades, stores and general wholesalers. Vacancies occur in the following territories:— 1, Yorkshire; 2, Eastern Counties; 3, South Eastern Counties and South Coast; 4, East Scotland; 5, West Midlands (Warwick, Worcester, Stafford and Shropshire). Established connections with retailers and wholesalers essential. Existing connections handed over in each case after trial. Positions carry good salary, expenses and commission and afford exceptionally good permanent prospects. Address in first instance giving fullest particulars of previous experience and age, in strictest confidence, to Box 122/868, C. & D. Office.

FOREMAN Pill and Tablet Coater required for large coating plant. Applicants should be under 45, thoroughly experienced in all types of high-class sugar and pearl coatings, and competent to train new staff. The post carries a good salary. Five-day week, superannuation and good prospects. Apply, giving full particulars, to: The Personnel Manager, The British Drug Houses, Ltd., Graham Street, City Road, London, N.1.

FOREWOMAN for small department packing of medicinal preparations. State age, experience and wages required, 119/756, C. & D. Office.

GLASGOW Branch. Office Manager required by distributors of well known hair preparations and toilet requisites and wholesalers of allied sundry products. Previous similar experience essential. Box 123/904, C. & D. Office.

KEEN and ambitious qualified representatives required by leading ethical pharmaceutical house to call on hospitals, doctors and retail chemists. Salary, expenses and commission, superannuation scheme. Write, giving full particulars with photograph if possible, to Box 1307, c/o Charles Baker & Sons, Ltd., 31 Budge Row, London, E.C.4.

LADY or Gentleman (Hall Qualification) required for the production of toilet preparations. Responsible position London S.E. area. State full details of experience and salary required and when available to Box 123/894, C. & D. Office.

LONDON manufacturing chemists require assistant to manager, with administrative experience and knowledge of trade. Responsible and progressive position. Write stating experience and salary required to Box 270, Smiths', 100 Fleet Street, E.C.4.

MALE or female Cost and Invoice Clerk required. Must be fully conversant with Surgical Sundries. Write stating experience and salary required to the Medical Supply Association, Ltd., 167 Grays Inn Road, W.C.1.

MANUFACTURING Chemists require production manager, for modern factory near London. Full particulars of previous posts, age and salary required, to: Box 123/899, C. & D. Office.

PHARMACIST for small manufacturing pharmaceutical laboratory, Birmingham district. Living accommodation available for married man if required. State age, etc., to 119/761, C. & D. Office.

PHARMACIST required for Wholesale Druggist in S.E. London. Must be capable of taking sole charge of D.D.A. and Poison Room. Excellent opportunity for keen pharmacist to gain valuable wholesale experience. Apply in own handwriting and state salary required. Box 122/882, C. & D. Office.

PROGRESSIVE firm of Importers and Wholesalers dealing in all raw materials for the perfumery trade—require energetic representative with sound experience and good connections. Salary and commission, excellent future for right man. Write giving details of experience and salary to Box 453, E/O Pool's, Aldwych House, London, W.C.2.

PROGRESSIVE firm of manufacturing chemists require production manager, with good chemical background, for modern factory near Cardiff. Full particulars of previous posts, age and salary required, to: Box 123/898, C. & D. Office.

PHARMACEUTICAL Chemist wanted with good experience in research and marketing of proprietary and ethical preparations. Factories in London and Yorkshire and the applicant will have to maintain connection between both places. Excellent opportunity for the right man. Please state age, experience, salary expected, etc., in full confidence, 120/819, C. & D. Office.

REPRESENTATIVES required by leading ethical pharmaceutical house to call on doctors, hospitals, chemists, etc. Essential qualification—pharmaceutical training. Territories vacant; East Midlands, Yorkshire and Glasgow area. Write 120/790, C. & D. Office.

REPRESENTATIVE required for medical and dental propaganda work in Lincs., Notts., Derby and Cheshire, by well-known firm of manufacturing chemists. A knowledge of medicine and/or dentistry essential. Applicants must have energy and initiative, be willing to reside on territory and able to produce highest references. Good salary and expenses. Write giving fullest particulars in confidence to 120/808, C. & D. Office.

REPRESENTATIVES, full-time or agency, required by manufacturers of proprietaries. Vacant territories: (1) Yorkshire, (2) Northern England, (3) Scotland, (4) Midlands, (5) North London. Pharmaceutical connection essential. Box 122/875, C. & D. Office.

REPRESENTATIVES (2) required to cover Eire chemists, hospitals, wholesalers and hairdressers for British manufacturing chemists opening Dublin branch. Essential possess live personal connection and some knowledge medical propaganda. Age limit 25 to 45. Salary, commission and expenses. Also one representative for Northern Ireland resident in Belfast. Write fully, enclosing two references, firms represented and when available, to Box 122/899, C. & D. Office.

ROCHÉ PRODUCTS LIMITED require three qualified pharmacists to call on the medical profession in the following areas: 1, East Midland, Nottinghamshire, Derbyshire, Leicestershire, Lincs.; 2, South Wales, Gloucestershire; 3, Oxfordshire, Buckinghamshire, Berkshire, Bedfordshire and part of Hampshire. Particulars of education, experience, etc., to Broadwater Road, Welwyn Garden City.

SCOTLAND. Resident medical representative in Glasgow or Edinburgh required by medical propaganda dept. of well-known manufacturing chemists. Apply in writing, giving particulars of experience and remuneration suggested, to Box 506, Smiths' 100 Fleet Street, London, E.C.4.

SELLING Agents needed for well-known Toilet Lines. Calling on chemists only in the North of England, Scotland. Write age, references to United Chemists Supplies, 110 Donegall Street, Belfast, Northern Ireland.

SENIOR Sales correspondent, preferably qualified, for sales department of well-known manufacturers of ethical pharmaceutical specialities. Previous experience an advantage, but not essential. Full particulars of education, experience, and salary expected to 119/789, C. & D. Office.

SURGICAL Instrument salesmen or woman required for showroom, Good stock-keeper essential. Must be experienced. Apply stating age and salary to Reynolds & Branson, Ltd., 13 Briggate, Leeds, 1.

STOCK Keeper or Order Clerk required for Surgical Sundry Dept. Only fully experienced need apply, male or female. Permanent position assured. Write giving full particulars and salary required to The Medical Supply Assn., Ltd., 167/173 Grays Inn Road, W.C.1.

TABLET Maker required by London Wholesale Druggists. A knowledge of pearl and sugar coating would be of advantage. 112/529, C. & D. Office.

TABLET Maker required by a London firm of Manufacturing Chemists. Applicants must have had experience of all kinds of Tablet making and Sugar coating and must understand Rotary machines. 5-day week. Apply in the first instance to Box 110/466, C. & D. Office.

UNQUALIFIED Assistants wanted for process work in fine chemical works in Surrey district. Applicants should preferably have had wholesale or manufacturing experience but this is not absolutely essential if adaptable and willing to learn. Good opportunity for a few young men wishing to enter the manufacturing field. Apply 120/821, C. & D. Office.

WANTED, young assistant for analytical control laboratory. Full particulars in first letter, please, to Max Factor, 39/47 North End, Croydon, Surrey.

WELL introduced Sales Representative required for high-grade luxury toilet preparations (nationally advertised), to be carried as additional line on commission basis; to call on chemists, hairdressers and departmental stores for various provincial areas. Give references in first letter and name present lines carried. 114/612, C. & D. Office.

WORKS Chemist required by Manufacturing Chemists for supervision of processes and assay of drugs. Registered pharmacist, M.P.S., F.I.C. or A.I.C. qualifications essential. Permanent progressive position. Excellent prospects. Write 119/777, C. & D. Office.

WORKS Manager required, preferably with B.Pharm. or Ph.C. qualification. Experience in pill and tablet manufacture desirable but not essential. Position offers scope for initiative and ability, and is progressive and permanent. Write, Matthews & Wilsons, Ltd., 6 & 8, Cole Street, S.E.1.

YOUNG man, not over 30, required by well-known proprietary medicine manufacturers. Must have a knowledge of the business, and some advertising experience preferred. Good opportunity for a keen man. Apply in writing, Box 122/869, C. & D. Office.

WHOLESALE (OVERSEAS)

E. M. DE SOUZA & CO., P.O. Box 134, Rangoon, Burma, require unmarried British qualified chemists, with either retail or manufacturing experience. First contract of four years' duration, provides furnished quarters, board and attendance, plus commencing salary of £400 per annum, rising £25 per year. Six months' leave on full pay. Passages both ways. Please apply by Airmail direct.

ENGLISH Company in British Guiana require for their retail drug dept. two qualified assistants, age not over 25 years. Four years' contract. Free medical attention, passage paid out and home at end of contract with four months' leave on full salary. Two weeks' local leave every year. Salary commencing £325 rising to £400. Send full details of apprenticeship, experience, age, and when free, to: A. E. Wright, 28 West Broadway, Westbury-on-Trym, Bristol, 6.

NORTHERN RHODESIA. Required for Mining Company Hospital, two Dispensers, commencing salary £40 per month rising to maximum £65. Applicants must have passed Chemist and Druggist examination. Apply Box No. 167, Foster Turner & Everetts, Ltd., 11 Old Jewry, London, E.C.2.

MANUFACTURING Chemist for South Africa. Salary £700 to £900 per annum. Experienced qualified manufacturer with M.P.S. and preferably with science degrees competent at analytical control of products required by progressive firm of wholesale manufacturing pharmaceutical chemists. Salary from £700 to £900 per annum including cost of living allowance according to qualification and experience, on a three years' contract. Successful applicant will be flown out at the company's expense, and a single man will be given preference. Please state age, qualifications, experience, whether married or single, when able to leave to take up duties and enclose a recent photograph, to 117/702, C. & D. Office.

NORTHERN RHODESIA. Required for Mining Company Hospital, Laboratory Technician. Commencing salary £40 per month rising to maximum £50. Applicants must hold science degree. Apply Box No. 166, Foster, Turner & Everets, Ltd., 11 Old Jewry, London, E.C.2.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

ACTIVE elderly M.P.S., retired prop., offers services in any suitable congenial light capacity; suggestions invited. D.D.A. control, clerical, local representative, etc. Interview London area, not available as cover or manager to private limited company. 122/861, C. & D. Office.

DISPENSER, lady, Apothecaries' Hall certificate, experienced, requires post Northampton or 30 miles radius. 122/860, C. & D. Office.

PHARMACIST, retired, management or light post. Gibbons, 1 Ealing Village, Ealing, W.5. Write or 'phone Perivale 3177.

YOUNG Lady, Hall certificate, requires good retail position, Central London. Previous experience. Temporary post considered. Box 123/908, C. & D. Office.

LOCUMS SEEKING ENGAGEMENTS

COVENTRY (or reasonable daily travelling distance). Pharmacist available for locum engagements from Sept. 30th. W. Hilton, 96 Kenpas Highway, Coventry.

FULLY experienced locum pharmacist, free October 6th, would consider winter run or good permanent management. Box 123/909, C. & D. Office.

FULLY Qualified Chemist, West End and Continental (first-class), suburban and country experience. Extensive managerial "square-trained", coll. ed., finishing season locums. Open for relief from Sept. 25th. Box 122/878, C. & D. Office.

QUALIFIED Lady (M.P.S.), experienced, desires locum work in London. No company work. Box 121/839, C. & D. Office.

WHOLESALE

A YOUNG Man (29), well educated, for several years representative with well-known manufacturing chemists, would welcome opportunity to prove ability as assistant sales manager, or similar, where his experience of sales letter writing, statistical work, and general administrative routine would find full scope. Served with H.M.F. in 1940. Box 123/900, C. & D. Office.

ACTIVE Representative calling on chemists, requires additional reputable lines. Territory; Northumberland, Co. Durham and North Riding. Box 122/881, C. & D. Office.

EXPORT. Experienced Allied national prepared to take over and/or develop department for manufacturers having suitable lines. Box 121/838, C. & D. Office.

FIRST-CLASS Representative, known personally to all chemists, departmental stores and fancy goods buyers, in Staffs, Shropshire, Cheshire, Herefordshire, Gloucestershire, Worcestershire and Warwickshire, including Birmingham, is desirous of contacting manufacturers requiring sales direct to the retail trade. Commission basis only. Replies in strict confidence to Box 123/910, C. & D. Office.

PHARMACIST, recently demobilised, seeks engagement with reputable provincial wholesale house offering prospects. Experienced in wholesale manufacture, sale and retail. Box 123/911, C. & D. Office.

PHARMACIST (32), car owner, seeks position London or S.W. England. 14 years' varied pharmaceutical experience, presentable, adaptable and efficient. Representation or any other post offering prospects. Box 121/848, C. & D. Office.

REPRESENTATIVE desires change. Over 15 years' experience chemists, stores, etc., London and South Coast, with soap, cosmetics and toilet preps. Demobbed ex. R.A.F., Sept., 1945. Fit and energetic. Undeniable selling record. If you desire to secure the services of a live wire please write, Box 122/887, C. & D. Office.

SALES MANAGER, recently demobilised, requires executive position of trust. Qualifications: good organiser and administrator, keen salesman, linguist, used to responsibility; excellent references. 120/804, C. & D. Office.

SALES Manager available; 15 years' home and export manufacturers selling to chemists, grocers, chain, multiple, Government, medical, etc. Accustomed modern budgetary, control national sales force. Box 122/884, C. & D. Office.

UNQUALIFIED. Experienced Locum and General Assistant. Dispensing preferred. 1 to 6. Gibson, 31 Stansfield Road, Stockwell, S.W.9.

APPOINTMENTS

ASSISTANT PHARMACIST reqd. by MIDDLESEX COUNTY COUNCIL at NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. Applications invited from Registered Pharmacists. Salary as recommended by Joint Negotiating Committee on Salaries and Wages (Hosp. Staffs); minimum commencing salary £320 p.a. inclusive, by annual increments to £400 p.a. Previous experience as assistant pharmacists may be taken into consideration in determining commencing salary. Recently qualified pharmacists considered. Whole-time, established and pensionable, subject to medical examination. Application stating age, qualis., exper., enclosing copies of up to three recent testimonials to MEDICAL DIRECTOR, of Hospital. Application forms not provided. (A.331).

ASSISTANT PHARMACIST required by MIDDLESEX COUNTY COUNCIL at HAREFIELD COUNTY HOSPITAL, Harefield, Mx. Applications invited from Registered Pharmacists. Salary as recommended by Joint Negotiating Committee on Salaries and Wages (Hosp. Staffs); minimum commencing salary £320 p.a. inclusive; by annual increments up to £400 p.a. Previous experience as assistant pharmacist may be taken into consideration in determining commencing salary. Whole-time, established and pensionable, subject to medical examination. Recently qualified pharmacists considered. Application stating age, qualis., exper., enclosing copies of up to 3 recent testimonials, to MEDICAL DIRECTOR, of Hospital. Application forms not provided. Closing date 28th September, 1946.

CROWN AGENTS FOR THE COLONIES COLONIAL GOVERNMENT APPOINTMENTS

Applications from qualified candidates are invited for the following post:— ASSISTANT STOREKEEPER and INSPECTING CHEMIST required by the Government of Nigeria for the Medical Department for one tour of 18 to 24 months with possible permanency. Salary according to qualifications and experience in the scale £400 rising to £720 a year. On salary of £400 local allowance is £60 and separation allowance for a married man is between £84 and £204 according to number of dependants. Outfit allowance £60. Free first-class passages and free quarters. Candidates, not over 35, should be members of the Pharmaceutical Society, have had experience in a large retail drug store in the supply and handling of surgical instruments and dressings, and be capable of taking charge of a large medical store entailing a competent knowledge of storekeeping. Apply at once by letter, stating age, whether married or single and full particulars of qualifications and experience to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/N/17053, on both letter and envelope.

LOCUM PHARMACIST. Supervision and light administrative part time duties (about 30 hours weekly) required immediately for one month—suit elderly pharmacist. Salary for full week 8 guineas (pro rata for part time). Also LOCUM ASSISTANT (A.H. Diploma) from September 16th to 28th (or nearest dates). Lunch and tea provided. No Sunday duties. Please state salary to Secretary, West Kent General Hospital, Maidstone.

SURREY COUNTY COUNCIL, BROOKWOOD MENTAL HOSPITAL, KNAPHILL, WOKING, SURREY

Applications are invited for the post of Assistant Pharmacist at the above Hospital. Candidates must hold the M.P.S. qualification. The Salary is £320 rising by four annual increments of £15 and one of £20 to the maximum of £400 per annum. The appointment, which is terminable by one calendar month's notice on either side, is subject to the provisions of the Asylum Officers' Superannuation Act, 1909, and to the County Council's Staffing Regulations, and the successful candidate will be required to undergo a Medical examination. Applications, stating age and previous experience, together with copies of three recent testimonials, to be sent to the Physician-Superintendent, Brookwood Hospital, Knaphill, Woking, Surrey, as soon as possible.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 3d. for every additional word

ADVICE on Export. Perfumery Manufacturers with first-class export connection offer good rent and if required will show how to develop export business in exchange for floor-space (2,000 ft. minimum) wanted temporarily London area. 119/783, C. & D. Office.

CHEMICAL Manufacturers desire to purchase small toilet quota for home market, without formulas or trade marks. Box 122/886, C. & D. Office.

CONSULTANT Chemist is prepared to advise on preparation and formulae of cosmetics and drugs. Box 121/854, C. & D. Office.

EIRE Distributor, visiting Britain late September and early October, invites communications from manufacturers interested in exploring the Eire market. Advertiser has three travellers covering all Eire, calling on retail and wholesale grocers, hardware merchants, chemists, hairdressers, department stores and the institutional trade. Box 123/903, C. & D. Office.

NATION-WIDE sales organisation with remarkable record of successful merchandising is open to consider one or two new lines. Only branded lines offering possibilities of big permanent business are of interest. Box S.788, c/o Erwoods, Ltd., 211 Piccadilly, London, W.1.

WANTED. New Ideas. Firm with large sales organisation looking for new lines for distribution. Would be prepared to finance good and novel ideas. 121/830, C. & D. Office.

BUSINESSES WANTED

1/6 for 40 words or less, 2d. for every additional word.

HILLIER, PARKER, MAY & ROWDEN, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Others contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, W.1.

BUSINESSES FOR DISPOSAL

1/6 for 40 words or less, 2d. for every additional word.

FOR SALE (Rugby, Warwickshire), Freehold Shop Premises. Valuable site. At present ladies' hairdressers. Good position for adding chemist or other business. 120/792, C. & D. Office.

FOR SALE, Sussex coast, freehold, chemist's double-fronted shop and Post Office. Temp. drug store. No opposition, growing district. Stock approx. £700. Good house, 5 rooms, 2 lav., bath, h. & c., elec. Large garage, garden. Write Box 121/849, C. & D. Office.

SUNDERLAND. Chemist's business in busy district, double-fronted shop, light oak fittings. Good N.H.I. and cash sales. N.P. £1,300, t/o over £6,000. Heavy saleable stock. Property £1,200. Goodwill required £1,750. Stock and fixtures at valuation. Box 123/905, C. & D. Office.

AGENCIES

12/6 for 36 words or less, 3d. for every additional word.

AGENCIES for the sale of Medicated Tablets are offered to free lance agents calling on the retail trade. Generous commission rate. Good delivery. Only agents with first-class connection.

CANADA. Coast-to-coast coverage of retail/whole-sale drug trade. Large Sales Agency, 14 distributing warehouses, wishes to represent English manufacturers of Pharmaceutical Specialities, Household Medicinal Products, Toilet Sundries, etc. Write Laurentian Agencies, 429 St. Jean Baptist Street, Montreal, P.Q., Canada.

GELATINE (Edible) Aspirin, powder and crystals, aspirin tabs 5 grain, caffeine alkaloid B.P., caffeine citrate B.P., bergamot oil, lemongrass oil, 70/75 per cent., lavender oil 38/40 per cent., lanoline B.P., spermaceti wax, lanette wax, and aniseed, china star, offered in substantial quantities. Box 122/874, C. & D. Office.

GENTLEMAN with first-class connection in London and Home Counties among chemists, stores and hairdressers, seeks branded lines on commission. Unknown products not wanted. Car owner. Box 122/883, C. & D. Office.

HOlland and Colonies. Agencies wanted for pharmaceutical, toilet, machinery and sundries. Write to W. M. F. Sutherland, Import merchants, P.O. Box 430, The Hague. Cables, Tracosu, Voerburg, Tel.: 722369.

MANUFACTURER of goods sold by chemists, stores and chiropodists, seeks contact with selling organisation covering Great Britain, Scotland and Northern Ireland. Packs and Trade Marks are reasonably well known, but production was small during the war due to complete destruction by enemy action. Products call for thoughtful salesmanship by men accustomed to offering high quality goods, and long term policy only should be considered. 120/810, C. & D. Office.

MARCONI Ecko p.H. meter complete with electrode assembly; Pearson's Model H, Low Temperature Incubator No. A.1063 in perfect condition, practically unused. Price £100 or near offer. M., 105 Tonbridge Road, Maidstone.

NORTHERN wholesaler distributors require sole agency for a sound product—medicinal or toilet. Over 4,000 accounts with chemists and hairdressers. Box 123/893, C. & D. Office.

REPRESENTATIVE agent for chemists' sundries, druggists, dept. stores, etc. in London, Surrey, Sussex, Kent, requires an additional good line. Box 121/841, C. & D. Office.

REPUTABLE Norwegian firm of representatives wants agencies for first-class British exporters of pharmaceutical specialities, pharmaceutical chemicals, crude drugs, essential and expressed oils, surgical dressings and instruments. Replies: Box 122/864, C. & D. Office.

SALESMAN visiting wholesalers, stores, multiples, etc., seeks agency London area. Box 122/876, C. & D. Office.

WHOLESALE, London, seeks good selling lines. Own van. Connections with chemists. Box 123/901, C. & D. Office.

WANTED

1/6 for 36 words or less, 2d. for every additional word

ACTUAL User would appreciate supplies of Vanalin. 120/806, C. & D. Office.

ANISEED and Peppermint Oils, 550 Saccharin Powder and No. 3 and 7 Tablet Bottles wanted by manufacturers for own products. Quantities and prices to Three Crown Tablet Co., 21-25 Denningham Street, Hull.

AGOOD price offered for Cameras, Enlargers and all Photographic Apparatus, Exposure Meters, Tripods, good Binoculars, Microscopes, Cine-Cameras and Projectors, prompt cash. Wallace Heaton, Ltd., 127 New Bond Street, London, W.1.

AUTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.19.

CAN any manufacturers supply any of the following: Nail Files, Nail Clippers and Scissors (Nail and Surgical). Cash only. Reply Wholesalers (Registered), 127 Sylvan Avenue, Wood Green, N.22.

EDIBLE Sheet and Powdered Gelatin required in large quantities. 965/970, C. & D. Office.

LANOLINE. Advertisers are willing to make good offers for unwanted parcels of Lanoline, B.P. or Commercial. Please send full particulars and details to 121/831, C. & D. Office.

MIXING and kneading machine wanted, preferably jacketed, about 3 cubic feet capacity. D.F., Ltd., 49 Grayling Road, London, N.16.

REQUIRED: weighing machine suitable for adults and babies, including basket. Box 122/885, C. & D. Office.

SIFTER and Mixer for shampoo powder. Any capacity. Hand use or power. Dyeha, Ltd., 63 Kensington Park Road, London, W.11. Park 8373.

STEARIC Acid Triple Pressed required in large quantities. 965/969, C. & D. Office.

TOILET Bottles, 1, 2 and 4 oz. D. Devon, 30 Norfolk Place, London, W.2. Pad. 2714.

WANTED. Any quantity Pepsin B.P., Papaverine Hydrochloride, Yohimbine Hydrochloride, Ext. Yerba Santa Liq. 120/823, C. & D. Office.

WANTED, plain square-shaped lotion bottles, sprinkler neck with caps, capacity 4 oz. to 6 oz. Export only; quantities 10/50,000; early delivery. 118/753, C. & D. Office.

WANTED, Saccharine Tablets and any items suitable for sale in a drug store. C.F. will buy surplus lines. Box 122/888, C. & D. Office.

WANTED. Saccharin 550 powder or tablets, any quantity, also aspirin powder, aspirin tablets, phenacetin powder, extract of malt and glycerin. All purchases cash with order. Excess stocks also bought. 114/601, C. & D. Office.

8 OZ. Plain Medicals, 8-oz. ribbed Ovals, 2 2/4-oz. Panels; divisioned Cartons to hold any of these. Samples and prices to S. Tatlow & Co., Ltd., Eckington, Sheffield.

26 OZ. and 13-oz. Wine or Champagne Bottles required. 625/524, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

FOR prompt delivery ex London; peppermint oil, sassafras oil, sweet almond oil, aniseed oil. Box 122/872, C. & D. Office.

LIMITED Quantity 'Delmos Junior' razor blades 10s. 8d. gross net including purchase tax. Retail 1s. 3d. packet of 12. Also 'Delmos Thin' Luxury blades 18s. gross net including purchase tax. Retail 2s. packet of 12. Finest value on the market. Attractive Display Cartons. Immediate delivery. Send cash with order. Samuel Baron & Co., 127 Borough High Street, London, S.E.1.

10 GROSS Eau de Cologne, separately boxed, first quality, 6 ozs. To be sold for the export market. Write Box 121/856, C. & D. Office.

15 GROSS 2 oz. s/c glass jars. £30 or nearest offer. Box 123/906, C. & D. Office.

25 GROSS 3-piece flanged base face powder boxes in smart green and red, central internal section has large cellulose window: 48s. per gross. Sample 6d. each, post free. 28 lbs. of eetyl alcohol original unopened, sealed containers by Messrs. May & Baker, Ltd. Best offer over 12s. 6d. per lb. secures. 3 cwt. B.P. Kaolin Powder by Kaylene, Ltd. Best offer over 9d. per lb. secures. Box 123/892, C. & D. Office.

PARTNERSHIPS

OLD established business in West End requires experienced qualified assistant with a view to partnership. Write, stating qualifications, age and past experience, to: Box 123/902, C. & D. Office.

PHARMACIST (35), free shortly. 18 years' retail and management, desiring change, view to succession, required. Hants or Southern Counties. Box 122/867, C. & D. Office.

QUALIFIED experienced chemist requires active partnership. Wholesale, manufacturing, packing, or similar business. Will invest £2,000 to £3,000. 122/859, C. & D. Office.

EXPORT TRADE

CANADA. M.P.S., with extensive experience of the Canadian market, would contact reputable manufacturers of ethical pharmaceuticals, drugs or chemicals, with a view to energetic development of a sound business in this growing market. Highest references. Box 122/879, C. & D. Office.

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